



**Welcome to the future.**  
Welcome to DataGen Scholar.





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At SaND AI Global, we believe that data and technology should serve as powerful tools for promoting equity, innovation, and impact. Founded with the mission to help organizations and communities harness the potential of data analytics and artificial intelligence (AI), SaND AI Global has established itself as a trusted leader in developing solutions that enhance outcomes in health, education, and workforce development.

Our nonprofit division, SaND AI Cares, extends this mission to create direct community impact. Through educational programs, training initiatives, and workforce development pipelines, SaND AI Cares ensures that students, families, and communities—particularly those historically

underrepresented—gain access to opportunities in the digital economy.

The DataGen Scholar Program is at the core of this mission. Developed under SaND AI Cares and supported by the expertise of SaND AI Global, it is a groundbreaking “Learn and Earn” program that prepares high school and early college students for leadership roles in a world where AI and data are transforming every industry.

Together, SaND AI Global and SaND AI Cares are not only training the next generation of talent but also shaping the future workforce pipeline that will drive innovation, equity, and prosperity for years to come.



## 01 INTRODUCTION: THE AGE OF AI

# AI is Transforming the Future of Work



Artificial Intelligence (AI) is more than just a new technology; it is a powerful force reshaping the foundation of the global economy. AI is changing how companies deliver healthcare, manage finances, design products, and how schools prepare students and governments build infrastructure. This transformation is having a significant impact across every industry.

At the heart of this transformation are energy and information. AI workloads demand vast amounts of computing power, which requires substantial electricity—lots of it. On the surface, the United States seems to have ample energy resources, with about 1,250 gigawatts (GW) of installed capacity. However, the reality is different. After considering factors like renewable variability, maintenance downtime, and operational constraints, only about 475 GW of continuous average output is truly available. This means that the U.S. grid is already operating at capacity to meet current demand.

Now, let's consider the upcoming AI boom. By 2030, data centers supporting AI are expected to consume an additional 23 to 67 GW of constant electricity. This demand is equivalent to the output of 23 to 67 nuclear reactors or thousands of new data centers, with each center consuming as much power as a small city. To meet this demand, we will need significant investments in new energy generation—such as nuclear plants, natural gas facilities, or renewable energy paired with large-scale storage—along with expanded transmission lines, substations, and advanced cooling systems.

This represents a multi-trillion-dollar expansion over the next decade, impacting every corner of the economy. Every new reactor, wind farm, or data center creates opportunities for civil engineers, electricians, welders, software developers, cybersecurity experts, and many support roles.

## Why This Matters for Students

The rise of AI is not only an energy-related issue but also a jobs-related one. As AI expands, millions of roles will emerge at the intersection of technology, energy, and infrastructure. Experts estimate that 60–70% of jobs worldwide will be impacted by AI in the coming decade—some roles will be transformed, and others will be newly created. The skills that will be in high demand will extend beyond just coding or engineering; they will include:

01

**Digital Literacy:** The ability to navigate and use AI-driven tools across various fields.

02

**Data Fluency:** Understanding how to interpret and apply data to solve real-world problems.

03

**Adaptability:** The capacity to thrive in fast-changing environments where new industries can emerge overnight.



### Message for Parents and Donors:

*Students who start preparing now will not only be ready to adapt to this new landscape but will also be equipped to lead it. By building AI and data literacy early on, they can seize opportunities in careers that will shape the economy of tomorrow.*



## 02 JOBS OF THE FUTURE

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# Tomorrow's Careers Begin Today

Artificial Intelligence (AI) is more than just a set of algorithms; it is driving the largest infrastructure build-out since the Industrial Revolution. To support AI, thousands of new data centers, power plants, and transmission networks will be constructed over the next decade. Each of these facilities requires a diverse workforce, ranging from high-tech engineers who design advanced models to electricians, welders, and technicians who keep the operations running smoothly.

The future of work in the AI era will not be limited to Silicon Valley; it will extend into classrooms, construction sites, hospitals, power grids, and local communities. This makes AI not just a technological transformation, but an economic one that will create millions of jobs. These positions will require a blend of technical skills and practical, hands-on expertise.

### Emerging AI-Driven Careers

AI is redefining traditional job descriptions and creating entirely new professions across various industries, including:



**AI Ethics Specialists:** Guaranteeing fairness, accountability, and responsible use of AI in critical areas like hiring, healthcare, and finance.



**Data Analysts & Visualization Experts:** Converting massive datasets into clear insights that guide smarter decisions in business, government, and public health.



**Machine Learning Engineers:** Developing intelligent systems that support self-driving cars, disease diagnostics, fraud detection, and personalized learning experiences.



**Sector-Specific Innovators:** Professionals such as doctors utilizing AI-assisted tools in hospitals, climate scientists modeling extreme weather, and educators integrating AI into classrooms for personalized education.

## Jobs Created by the AI/Data Center Build-Out

Every breakthrough in AI relies on a massive physical and energy infrastructure, including power plants, transmission lines, cooling systems, and data centers that can be the size of stadiums. Building and maintaining this ecosystem requires a workforce with various trades and disciplines:



**Construction & Infrastructure:** Civil engineers, architects, project managers, electricians, HVAC specialists, welders, and specialized installers for advanced cooling and fire suppression systems.



**Power Generation & Grid Expansion:** Nuclear engineers, renewable energy developers, transmission line workers, and utility planners who ensure continuous operation.



**Data Center Operations:** IT infrastructure specialists, facilities engineers, cybersecurity analysts, and cloud architects who secure and optimize servers and AI workloads.



**Support & Ecosystem Roles:** Water resource engineers, environmental compliance officers, supply chain managers, and local service providers (security, food, transportation) who maintain campus operations.



## The Numbers Behind the Jobs

### The scale of this transformation is impressive:

1. A single 100 MW data center creates approximately 500 construction jobs during the build phase and 50 to 150 permanent operational roles once it is live.
2. Meta's new campus in Louisiana will peak at over 5,000 construction workers, while CoreWeave's Pennsylvania site is projected to offer 600+ construction jobs and 70 permanent roles.
3. From 2016 to 2023, U.S. data center employment surged by 60%, increasing from 306,000 to 501,000 jobs.



**In Virginia, the nation's data center hub, the industry currently supports 74,000 jobs, generating \$5.5 billion in wages and contributing \$9.1 billion to GDP annually.**

Every 30 to 60 MW data center adds the equivalent demand—and workforce—of a small city to the grid. With thousands of centers expected by 2035, the job creation ripple effect will reach every community, from rural towns to urban centers.

### Why Early Preparation Matters

These jobs require early exposure, training, and confidence. Some positions will necessitate advanced degrees in computer science or nuclear engineering, while others will demand vocational skills in welding, electrical work, or IT support. All roles will require strong foundations in digital literacy and data fluency.



#### Message Parents and Donors:

*Whether students aspire to become machine learning engineers, electricians, cybersecurity specialists, or project managers, the opportunities are expanding. Preparing them today will ensure they not only adapt to the AI-driven future but also play an active role in shaping it.*

## 03 ABOUT THE DATAGEN SCHOLAR PROGRAM

# A Workforce Pipeline for the Future

The DataGen Scholar Program (DGS) is a pioneering “Learn and Earn” initiative designed to bridge the digital divide and prepare the next generation for leadership in an economy driven by Artificial Intelligence and data. More than just a classroom program, DGS serves as a direct workforce pipeline: a structured journey that guides high school and early college students from curiosity to career readiness by equipping them with practical skills, paid work experience, and nationally recognized credentials.

We believe that every student should graduate from high school not only with a diploma but also with a portfolio of skills, certifications, and hands-on experiences that will make them competitive in college admissions, internships, and the job market.

### Who We Serve

DGS is tailored for motivated students—those aspiring to become data scientists, healthcare leaders, engineers, entrepreneurs, or changemakers. Our mission extends beyond just these individuals. We are committed to equity, ensuring that students from underserved and underrepresented communities have equal access to future opportunities.

By providing world-class instruction, mentorship, and paid projects, DGS guarantees that no student is left behind in the age of AI.

### A Learn-and-Earn Model

At the core of DGS is our unique “Learn and Earn” model, which allows students to acquire knowledge while earning income simultaneously. This approach reduces financial barriers and emphasizes the value of persistence.

### Virtual Group-Based Webinars (Knowledgecasts)

- Participants can engage in 30+ live or recorded webinars that cover essential topics such as AI literacy, data analytics, AI ethics, and career readiness.
- Students earn \$5 for each webinar they attend, turning participation into tangible rewards.

### Self-Guided Courses

- The program includes 14 interactive lessons with DataCamp Donates and eight with IBM SkillsBuild, focusing on high-demand skills in AI, cybersecurity, cloud computing, and data analysis.
- Each lesson completed earns students \$5, incentivizing progress while expanding their knowledge.

### Micro Job Experience (Module 5)

- A six-month paid apprenticeship enables students to apply their skills to real-world projects in data analytics and generative AI.
- During this phase, students work 10–20 hours per month at a rate of \$15 per hour, earning a minimum of \$900.
- Projects involve data collection, cleaning, and visualization, as well as practical applications of AI tools like ChatGPT, NotebookLM, Gamma, and Synthesia for storytelling, presentations, and client solutions.
- Each student completes at least three projects, building a portfolio that showcases their real-world competencies.

This progression, from learning modules to micro jobs, ensures that every participant graduates with both knowledge and work experience, setting them apart from their peers.

## Curriculum Highlights & Credentials

By the end of the program, students will:



Gain proficiency in tools such as Tableau, Power BI, and over 10 generative AI applications.



Earn at least two industry-recognized certificates and multiple digital badges.

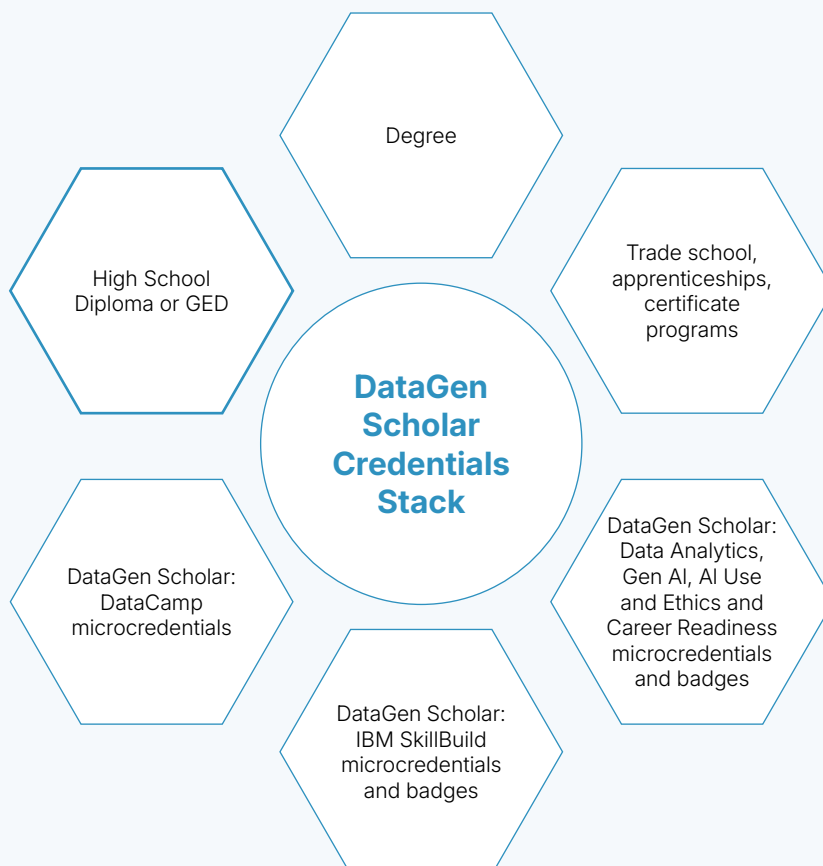


Build a portfolio of completed projects to present to employers and colleges.



Develop career-readiness skills, including resume writing, LinkedIn optimization, professional networking, and financial literacy.

This stackable credential approach allows students to accumulate micro-credentials and create a skills portfolio that grows with them, an asset for college admissions, internships, and future employment.



DataGen Scholar courses + Data Camp + IBM SkillBuild is a great micro-credentials stack for high school students!

## Our Unique Differentiator

DGS stands out by blending education, experience, and earning:



**Paid-to-Learn:** Students receive compensation as they complete modules and projects, eliminating barriers to participation.



**Real-World Application:** Every student leaves the program with credentials, income, and experience, rather than just theoretical knowledge.



**Shared Investment:** Students contribute only a \$200 refundable commitment fee, while SaND AI and its partners invest \$5,470 per student to provide access to platforms, mentors, and project opportunities.

This model ensures that parents witness real, measurable growth in their children, and donors can see that their contributions are directly funding a life-changing, economically empowering program

## Equity-Driven Mission

Many young people face barriers to technology opportunities due to cost, access, or awareness. DGS was created to close this digital divide by:



Providing access to the same AI and data tools used by leading employers today.



Delivering skills that are increasingly essential in the modern workforce—data analytics, AI literacy, and digital problem-solving.



Fostering a diverse community of tech-literate youth equipped to drive innovation in schools, businesses, and communities around the globe.



## Student Impact



### Ayobami S:

What's cool about this program is that we actually get paid to learn. Every time I complete a Knowledgecast or lesson, I earn money while picking up new tech skills. It makes me want to keep going, and I can already see how this will help me in the future.— DataGen Scholar Program Officer



### Pranjali S:

I never thought I'd get the chance to work with AI tools while still in high school. In just a few weeks, I've already learned how to use ChatGPT for projects and started building my first dashboard. It feels exciting to know I'm learning skills that professionals use every day. — DataGen Scholar Program Officer



### Reshmitha R:

I've only just started, but I can already tell this program is different. We're not just sitting in class—we're learning skills like data analysis and AI that connect to real jobs. For the first time, I feel like I'm getting a head start on college and career opportunities. — DataGen Scholar Program Officer



### Message for Parents and Donors:

*The DataGen Scholar Program isn't just preparing students for jobs, it is preparing them for leadership in the AI era, where data and technology shape every career and every community.*



Meet our officers

## DataGen Scholar At-a-Glance

**Who We Serve:** High school & early college students nationwide

**Modules & Lessons:** Nearly 60 lessons across AI literacy, data analytics, and career readiness

**Knowledgecasts:** 32 live/recorded webinars (\$5 earned per session)

**Self-Guided Courses:** 22 lessons via DataCamp Donates & IBM SkillsBuild (\$5 earned per lesson)

### Micro Job Experience: 6-month apprenticeship

- 10–20 hrs/month
- \$15/hour (minimum \$900 earned)
- At least 3 real-world projects completed

**Tools Mastered:** Tableau, Power BI, and 10+ generative AI apps (ChatGPT, NotebookLM, Gamma, Synthesia, and more)

**Credentials:** At least 2 industry certificates + multiple digital badges

**Cost to Students:** \$200 refundable commitment fee (fully returned if modules completed)

**Investment per Student:** \$5,470 by SaND AI & partners in platforms, mentorship, and project opportunities

**Outcome:** Students graduate with credentials, confidence, paid experience, and a portfolio of projects—positioning them for success in both college and career.

## 04 IMPACT FOR PARENTS

# Why Parents Love DataGen Scholars

Parents want their children to succeed not only in school but also in life. The DataGen Scholar Program (DGS) provides peace of mind by offering a safe, structured, and future-focused learning experience that equips students with essential skills for today's competitive world.

### A Safe, Structured Environment

DGS creates an environment where students can explore technology safely while being guided by trusted mentors, instructors, and coaches. Parents can rest assured knowing their children are engaging in positive, supervised online learning rather than aimless screen time. With live webinars, small-group support, and one-on-one check-ins, students stay on track and connected.

### Resume-Ready Skills & Certifications

Students graduate with resume-ready technical

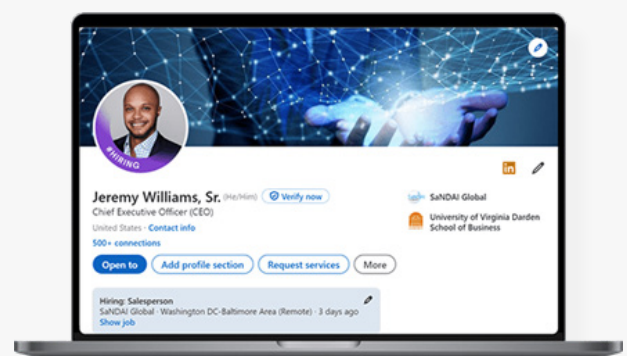
skills that employers and colleges recognize, including expertise in high-demand platforms like Tableau and Power BI, as well as over 10 generative AI tools such as ChatGPT and Synthesia. Each participant earns at least two industry-recognized certificates and multiple badges—credentials that distinguish them when applying for internships, scholarships, and college admissions.

### Paid Learning Opportunities

Parents appreciate that DGS not only teaches valuable skills but also provides financial incentives. Students earn stipends as they progress through modules and can participate in Micro Job apprenticeships, working 10–20 hours per month for \$15/hour. This allows students to gain real-world experience while learning—often representing their first professional job.

## Pathways to College & Career Readiness

Every student leaves DGS with a comprehensive portfolio that includes completed projects, professional certifications, and a polished resume and LinkedIn profile. They also receive exposure to financial literacy, networking, and professional etiquette through webinars and mentorship. Parents can be confident that their child is not only prepared for college but also has a head start on building a career in the AI-powered economy.



### Message Parent Message for Parents: s and Donors:

*The DataGen Scholar Program combines safety, structure, and opportunity. It transforms screen time into skill-building, learning into earning, and ambition into a clear pathway toward college, career, and leadership in the workforce of tomorrow.*

## 05 WHY DONORS & PARTNERS MATTER

# Together, We Build Futures

The DataGen Scholar Program (DGS) is intentionally ambitious. It aims to close the digital divide, equip students with cutting-edge technology skills, and prepare them for leadership roles in an economy driven by AI and data. To achieve this vision, we rely on strong partners who believe in the transformative power of education.



### The Investment Reality

Every student who participates in DGS pays a \$200 refundable commitment fee, a small investment in their future. In return, SaNDAI and its partners invest an average of \$5,470 per student to deliver a premium experience that includes:

- Access to top-tier platforms like DataCamp, Donates, IBM SkillsBuild, and Synthesia.
- Nearly 60 lessons across four structured modules, along with a paid Micro Job apprenticeship.
- Personalized mentorship, professional coaching, and individualized support to help students succeed.
- Industry-recognized certifications, digital badges, and stackable credentials that hold significant value with colleges and employers.

This model ensures that every donor dollar is not merely a gift but a direct investment in student learning, workforce readiness, and long-term economic mobility.

### What Donors & Partners Make Possible

Your support enables us to:

- **Expand Access:** Bring DataGen Scholars to more high schools, particularly in underserved communities where students have limited exposure to tech careers.
- **Cover Technology Costs:** Provide licenses, online tools, and resources that many students would otherwise find inaccessible.
- **Fund Paid Micro Jobs:** Ensure that every student has the chance to apply their skills in real-world projects, building both confidence and income.
- **Scale Mentorship & Support:** Recruit industry mentors, host career readiness webinars, and provide one-on-one student check-ins to keep learners on track.
- **Build the Workforce Pipeline:** Equip students with skills in data analytics and AI that employers urgently need, contributing to a stronger and more equitable economy.

## The Direct Benefit for Donors

Every contribution to DGS not only fuels education but also creates real value for donors. Starting in Summer 2026, donors will have the opportunity to select DGS students as interns based on their level of giving. This ensures that your investment supports education while also providing direct assistance to your organization's workforce.

- \$1,000 Donation: Sponsors one to two students for 60 hours of internship work.
- Larger Contributions: Enable additional opportunities for multiple interns, providing even more support for your business or organization.

This means every donation serves a dual purpose: it helps a student gain real-world experience while also introducing fresh talent, ideas, and energy into your organization.

## The Impact of Giving



**Individual Donors:** Your gift transforms a student's life and gives you the chance to mentor and work alongside them.



**Corporate Sponsors:** Your partnership creates direct recruitment pathways, supports workforce development, and demonstrates leadership in equity and innovation.



**Foundations & Grantmakers:** Your investment allows us to scale nationally, embedding AI and data literacy into the educational fabric of communities.

Every contribution has a multiplier effect: for each direct job in the AI/data economy, three to five indirect jobs are created in the broader community. By supporting DGS, you are not only funding education but also fueling a cycle of opportunity, innovation, and economic growth.

The DataGen Scholar Program is at the forefront of preparing students for jobs of tomorrow. However, we cannot do it alone.

- **Donate Today:** Empower a student to acquire the skills and experience needed to thrive in the AI-driven workforce.
- **Sponsor a Cohort:** Underwrite a group of students in your community and help build the local workforce pipeline.
- **Invest in the Future:** Partner with us to ensure that every student, regardless of background, has the chance to succeed.



### Message to Donors and Partners:

*Your gift doesn't just fund education, it gives you access to trained, motivated interns who can contribute to your organization while building their future. Every dollar creates a double return: community impact and direct workforce support.*



Every contribution directly supports student learning and creates internship opportunities for donors.

Donation Level	What It Provides	Internship Hours (Summer Placement)	Student Impact
\$1,000	Supports program delivery for 1–2 students	60 hours (1–2 interns)	Hands-on project work + paid experience
\$2,500	Expands access for 4–5 students	150 hours (up to 5 interns)	Multiple real-world projects + certifications
\$5,000	Sponsors an entire small cohort	300 hours (8–10 interns)	Cohort earns industry certs & builds career portfolios
\$10,000	Scales access to underserved schools	600 hours (15–20 interns)	Creates a community-level workforce pipeline
\$25,000+	Funds regional program growth	1,500+ hours (50+ interns)	Sustains mentorship, micro jobs, and expansion

### How It Works



Donors select interns from the DataGen Scholar pool based on their contribution level.



Internships take place during the summer following program completion.



Students bring AI and data analytics skills, certifications, and real project experience directly into your organization.



Your investment helps a student succeed and provides direct value to your team.





## Conclusion

### A Message from the Program Creator

I created DataGen Scholar to open doors for students who may not have envisioned themselves in technology, data, or AI. This program is not just about learning; it's about earning while learning, building confidence, and preparing for the jobs of tomorrow.

We designed DataGen Scholar as a first-of-its-kind "Learn and Earn" model because young people need more than just theory; they require hands-on projects, mentorship, and opportunities to demonstrate their skills in real-world settings. Our students master industry tools like Tableau, Power BI, and ChatGPT while completing paid micro-jobs and internships. As a result, they leave with a portfolio, certifications, and career direction that position them for success.

At SaNDAI, we believe in putting impact first, and

our students are living proof. We've witnessed shy high schoolers presenting data dashboards to executives, first-generation college hopefuls earning certifications that open doors, and young individuals from underserved communities seizing opportunities they once thought were out of reach.

However, this movement is bigger than any single student. It's about shaping the future workforce and ensuring that every community has a stake in the AI economy. With your support as parents, donors, and partners, we can prepare the next generation not just to adapt to the future, but to lead it.

**Welcome to the future. Welcome to DataGen Scholar.**

— **Jeremy Williams, Sr.**

**Founder & CEO, SaNDAI Global & SaNDAI Cares**

### Learn more about us

