

GITIKA SAINI

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EDUCATION

The Pennsylvania State University | University Park, PA
B.S. Computer Engineering | Minors: Cybersecurity, Economics
Dean's List (Session 2023-24, 2024-25)

Graduation: May 2027

TECHNICAL EXPERIENCE

Intern at Tripletech, Mauritius

Summer 2025

- Streamlined HIS workflows (registration, billing, discharge) to boost efficiency
- Executed data migration and diagnosed network issues (IPv4, fiber, and switches)
- Resolved cross-department technical issues: logins, printers, and network disruptions
- Assisted with SIP setup, call center troubleshooting, and hardware deployment across GRIT sites

Notable GitHub projects:

- Web Apps:** Built interactive applications (*ToDooze*, *Sidequesting*) using HTML, CSS, and JavaScript
- ML/AI:** Trained CNNs (*CatsDogsClassification*, *MNIST*), built QA systems using NLP + RAG (*DocumentAns_RAG*), and deployed full ML pipelines (*FlowerClassification*)
- C++/Python:** Developed logic-based games and tools (Nim Game, Hangman, Currency Calculator) emphasizing clean code & problem-solving

COURSEWORK & CERTIFICATIONS

Relevant Coursework

- CMPSC 121, 122, 221, 311 – DSA, OOP, Systems Programming, OS, Software Engineering

Certifications:

- Google Cybersecurity Certificate:** Python, Linux, SQL, SIEM, IDS tools
- Nittany AI Bootcamps (2024-25):** 8+ ML projects covering data-preprocessing, fine-tuning, RAG, CNNs, regression, clustering, backpropagation etc.
- Forage Virtual Job Simulations:**
 - **Accenture (SWE):** Agile, architecture, security, testing
 - **Deloitte (Cybersecurity):** Web log analysis, incident response
 - **Mastercard (Cybersecurity):** Threat detection, security awareness
 - **Johnson&Johnson (Robotics & Controls):** Sensor integration, control systems, automation

EXTRA CURRICULAR AND LEADERSHIP EXPERIENCE

- United Nations' SDG Advocacy Training** (2023, 2024)
Trained in sustainability and equity-focused initiative planning
- Resident Assistant**, Penn State (2025–Present)
Mentor for 50+ residents; promote inclusive community and support resources
- Math Tutor**, Penn State (2025–Present)
Tutored undergraduates in foundational and advanced math coursework
- HackPSU Director** (2024–Present)
Led branding, merch, and UX for PSU's flagship 700+ attendee hackathon
- ACM Officer**, Penn State (2024–Present)
Organized tech talks, workshops, and events for 100+ students
- Math 140 Learning Assistant**, Penn State (2024–25)
Facilitated weekly sessions to reinforce concepts and assist 40+ students
- Global Engagement & Leadership Experience** (2023)
Completed immersive cross-cultural leadership development
- Global Borders LLC** (2023–24)
Lived and led in an international diversity-focused campus community
- SASO Program Organizer** (2023–24)
Planned and coordinated South Asian cultural outreach events

SKILLS/LANGUAGES

Languages & Tools: Python, C++, JavaScript, C, HTML/CSS, SQL, Bash, Git

Technologies: Linux, IDS tools, TensorFlow, Jupyter, Microsoft Excel/Word/PowerPoint