

Samyuktha Syamsundar

636-891-2250 | ssyamsun@purdue.edu | <https://www.linkedin.com/in/samyuktha-syamsundar/>

EDUCATION

Purdue University

B.Sc Cybersecurity

Certifications: CompTIA Security+, AWS Certified Solutions Architect

Graduating: May 2026

West Lafayette, IN

Relevant Coursework: Cybersecurity Fundamentals, Digital Forensics, Network Engineering, Systems Administration, Operating Systems, Java Programming, Systems Analysis, Database Fundamentals, Web Development, Cloud Security

EXPERIENCE

World Wide Technology

Cybersecurity Consulting Intern

May 2025 – August 2025

Maryland Heights, MO

- Led internal red-teaming of WWT's generative AI integrations, uncovering prompt injection and data retention flaws that influenced internal policy development.
- Conducted threat modeling and AI risk assessments across 3+ industry sectors, identifying 25+ control gaps related to generative AI use and recommending mitigations to reduce model exposure and data leakage.
- Collaborated with presales and engineering on a \$2M+ financial client pursuit, delivering secure architecture diagrams and risk mitigation strategies tailored to banking systems.
- Created 5+ executive-facing reports translating technical findings into strategic insights, enabling leadership to prioritize 10+ remediation actions and improve incident readiness.
- Authored 12+ compliance artifacts aligned with NIST 800-53 and HIPAA, accelerating internal audit preparedness by 30%.

Reinsurance Group of America

Cybersecurity Strategy Intern

August 2023 – December 2024

Chesterfield, MO

- Executed phishing simulations targeting 5,000+ employees across business units, improving awareness click-through rates by 15% over three months.
- Automated phishing metrics reporting using Power BI and Python, reducing reporting time by 30% and enabling near real-time visibility into threat trends.
- Performed NIST CSF-aligned gap assessments and led remediation efforts, identifying and mitigating 20+ critical vulnerabilities in endpoint and identity systems.

NASA

Researcher

August 2022 – December 2022

West Lafayette, IN

- Processed 10,000+ plant growth data points with Python-based machine learning models to evaluate agricultural development under microgravity conditions.
- Extracted and analyzed key plant growth metrics, improving the accuracy and reliability of controlled-environment experiments for long-duration space missions.

LEADERSHIP AND EXTRACURRICULAR

Phi Gamma Nu

Founder and President

March 2024 – Present

West Lafayette, IN

- Founded Purdue's Phi Gamma Nu chapter, establishing bylaws, executive board, and mission-driven recruitment.
- Secured 5+ industry partnerships to offer mentorship, resume reviews, and professional development events to members.
- Facilitated events with professionals from fintech and cybersecurity consulting to expose members to careers in secure financial infrastructure.

Innovate Her

Director of Operations and Strategy

October 2023 – Present

West Lafayette, IN

- Led operations for Purdue's first women-centric hackathon, drawing 300+ participants and 10+ company sponsors.
- Drove DEI-focused outreach and event design, increasing engagement from underrepresented groups in tech.

Women In Cybersecurity

Marketing Lead

Jan 2023 – Present

West Lafayette, IN

- Developed and executed targeted social media strategies to promote events, share timely and relevant cybersecurity content, and amplify the organization's mission.
- Increased member engagement by organizing collaborative campaigns and managing event promotions that boosted attendance by 20%.

SKILLS

Cybersecurity: SIEM, Threat Modeling, DFIR, Compliance, Endpoint Security, Pen Testing, Firewall Configuration

Cloud: AWS EC2, Lambda, IAM, S3, Cloud Security Architecture

Languages: Python, Java, C, C++, JavaScript, PHP, HTML/CSS, SQL

Tools: Wireshark, Power BI, Jupyter, Docker, Autopsy, FTK Imager, AXIOM, VMvSphere

Soft Skills: Executive Communication, Strategic Thinking, Cross-functional Collaboration, Technical Writing