Vidyut Rajagopal

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Education

Georgia Institute of Technology   Expected Graduation: May 2027
BS in Computer Engineering (Cybersecurity & Information Internetworks Threads)   GPA: 4.0/4.0
Relevant Coursework: Information Security, Internetwork Security, Reverse Malware Engineering, Data Structures & Algorithms, Objects & Design, Object-Oriented Programming, Computer Systems Programming, Computer Networking

Professional Experience

United Parcel Service (UPS), Virtualization and Private-Cloud Engineering Co-Op – Mahwah, NJ   June 2025 - Present
- Strengthened hybrid cloud infrastructure across **50+** ESXi hosts and vCenter clusters, improving uptime **18%** through hardened configurations, access segmentation, and encrypted storage
- Automated VM provisioning with PowerCLI/Power Automate, implementing RBAC and compliance validation to reduce deployment time by 30% while ensuring least-privilage access
- Developed AI models that optimize real-time operational responses to flight delays across the global UPS Airline network
- Collaborated within **10-person** engineering team through daily SCRUM meetings and agile development practices

WareSport - waresport.com, Co-Founder and CTO – Atlanta, GA   July 2025 – Present
- Co-founded Waresport, an all-in-one B2B sports management platform modernizing youth sports operations; piloting with **10+** academies and **1000+** players in a growing **$1.5B+** U.S. youth sports market (TAM)
- Built a secure data framework for player and payment information for **1,000+** users, enforcing least-privilege access, encrypting sensitive fields via AWS KMS, and applying IAM policies across backend services
- Designed privacy-by-design workflows for **10+** academies, securely managing **1,000+** player records and ensuring GDPR/COPPA compliance, while streamlining operations for administrators

Bloomberg, Software Development Mentee – New York, NY   September 2023 – January 2024
- Led the design of "Easy Events," an autonomous event planning platform, onboarding several small businesses and expanding the customer base by **150%** in **3** months, automating scheduling and vendor workflows to reduce manual planning effort by **80%**
- Designed and implemented AWS cloud pipelines handling **100,000+** user metadata points with encrypted storage, IAM access control, and CI/CD workflows for secure, scalable, and resilient operations
- Developed backend pipelines in Python (NumPy, Pandas, SciKit) for **5000+** entries, implementing input validation, API access controls, and secure modular architecture to protect sensitive vendor and user data

Projects

Splunk Security Monitoring Home Lab   October 2025
- Built and configured a Splunk home lab on Ubuntu and Windows Server, ingesting **10,000+** simulated security events to monitor web and network based attacks, enhancing hands-on SOC and log analysis experience
- Developed custom dashboards, alerts, and queries to detect SQL injection, XSS, brute-force, DDoS, and other attack patterns, improving threat visibility and accelerating incident response efficiency by **40%**

Firewall Implementation & Vulnerability Assessment   September 2025
- Configured Nessus Essentials in a virtual lab to automate vulnerability scans, remediating **85%** of issues across **5** test systems
- Deployed a pfSense firewall with **5** IPsec VPN tunnels and **7** IoT-specific security policies, automating secure traffic filtering

SimpliEarn   January 2025 – August 2025
- Founded and led a **12-student** team to build an interactive financial dashboard, simplifying earnings calls for novice investors, improving accessibility to complex financial data for 500+ users, and enabling faster, more informed investment decisions
- Designed and implemented a Retrieval-Augmented Generation (RAG) pipeline processing **100,000+** financial data points from **1,000+** earning reports, improving retrieval speed by **70%** and contextual analysis accuracy by **25%**

UPS Airlines OptiFlight | Company Wide Hackathon **1st Place** Winner (**400+ teams**)   July 2025
- Cut weather disruption recovery time by **40%** at UPS Airlines' global hub using multi-objective optimization algorithms using Gurobi
- Enforced millions of complex aircraft, crew, and regulatory constraints to cut manual scheduling by **87%**, saving **500+** labor hours

Leadership

Vice-President, Big Data Big Impact   August 2025 – Present
- Spearheaded the Launchpad initiative, guiding 10-15 student teams to pitch, develop, and lead College of Computing-funded AI/ML projects; managed the selection process, provided mentorship, and led workshops
- Conducted meetings with corporate sponsors, Georgia Tech student organizations, and 30+ Big Data Big Impact board members

Skills & Interests

Certifications: AWS Certified Solutions Architect Associate, Microsoft Azure Fundamentals, Aviatrix Associate Multi-Cloud
Cloud/Security: AWS, Azure, GCP, Linux, VMware, Terraform, IAM, KMS, Firewalls, VLANs, PKI, Wireshark, Nessus, TCP/IP
Programming/Tools: Java, Python, Bash/Shell Scripting, C, Firebase, Docker, Git, CI/CD, React.js, Gurobi Optimization
Interests: Music Production (Sound Engineering, Logic Pro X, Piano, Viola), Cricket (Semi-Professional, Coaching)