Amyuktha Gummadi

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PROFESSIONAL SUMMARY

Graduate student in **Computer and Information Systems Security** with hands-on experience in **networking, cloud systems, and data analytics**. Skilled at configuring routers, switches, and firewalls, and analyzing data using **SQL, Python, and Power BI** to support decision-making. Experienced with **AWS** and **Azure** environments, and learning **DevSecOps** practices such as automation and CI/CD pipelines. Interested in roles that connect **data, infrastructure, and security** to build reliable, efficient, and secure systems.

CORE TECHNICAL SKILLS

Networking: TCP/IP, LAN/WAN, VLANs, Routing & Switching, DNS, DHCP, VPNs, Firewalls, Network Troubleshooting, Cisco Packet Tracer, Wireshark, pfSense
Security & DevSecOps: Network Security, IDS/IPS, Risk Assessment, Access Control, CI/CD (GitHub Actions, Jenkins), Docker, Terraform (Intro), AWS CloudWatch, Cloud Security
Cloud & Infrastructure: AWS (Lambda, API Gateway, S3, IAM), Microsoft Azure Fundamentals, Oracle Cloud Infrastructure, Virtual Machines, Cloud Networking
Data & Analytics: SQL, PostgreSQL, MySQL, Python (Pandas, NumPy), Power BI, Data Cleaning, Dashboarding, ETL Pipelines
Operating Systems: Windows Server, Linux (Ubuntu/CentOS)

EDUCATION

Rowan University – Glassboro, NJ
Master of Science in Computer and Information Systems Security   (Expected May 2025)
Koneru Lakshmaiah Education Foundation (KL University) – India
Bachelor of Technology in Computer Science (Cybersecurity Specialization)   (May 2023)

CERTIFICATIONS

- Microsoft Certified: **Azure Fundamentals (AZ-900)**
- **Aviatrix Multicloud Networking Associate**
- **Oracle Cloud Infrastructure Foundations Associate**

EXPERIENCE

Saayam For All – Full-Stack Developer (Volunteer, Remote – USA)   Aug 2025 – Present
- Supported backend infrastructure and **cloud integration** using AWS Lambda and API Gateway.
- Automated data workflows and deployment pipelines using basic **CI/CD tools** and version control (Git).
- Collaborated on building dashboards and tracking metrics to monitor system reliability.

Arete IT Services Pvt. Ltd. – Web Development Intern (Vijayawada, India)   Jul 2022 – Nov 2022
- Deployed and maintained **internal web servers and MySQL databases** for centralized data management.
- Assisted in configuring domain/DNS settings and optimizing network performance.
- Designed data-driven dashboards for management reports, improving visibility of project performance.

Avishkar Tech Solutions – Data Engineer Intern (Remote, India)   Jun 2021 – Jun 2022
- Built and automated **Python-based ETL workflows** to enhance data accuracy by 20%.
- Developed SQL queries and performed data validation to ensure quality across datasets.
- Documented pipelines, analyzed system logs, and collaborated with teams to improve scalability.

ACADEMIC PROJECTS

Intrusion Detection System (IDS) – KL University
Developed a DNN-based intrusion detection model that achieved higher accuracy than traditional ML models for identifying network threats.

Business Continuity Plan – Woodfire Wonders Pizzeria – Rowan University
Created a risk assessment and IT continuity strategy emphasizing network resilience and disaster recovery.

Mood Song Predictor (SQL & Power BI Project) – Personal
Designed a relational schema and SQL queries to classify songs by mood; built **Power BI dashboards** for visualization and trend analysis.

ACHIEVEMENTS

- Ranked **Top 10% (490 / 4,672)** in **National Cyber League 2023** for network and analytical problem-solving.
- Completed hands-on labs using **Cisco Packet Tracer** and **Wireshark** for network setup and analysis.