

Amyuktha Gummadi

New jersey, USA(Open to relocation) | 603-202-2426 | amyuktha.gummadi.20@gmail.com | [linkedin](#) | [Github](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Versatile **IT and Computer & Information Systems Security professional** with hands-on experience across **software, data, and cloud engineering**. Skilled in building secure backend systems, automating data workflows, and applying analytics to strengthen reliability and performance. Proficient in **Python, SQL, AWS, and Azure**, with a passion for solving problems and protecting information assets through efficient, well-tested solutions.

TECHNICAL SKILLS

Languages: Python, SQL, C, Java (basic), JavaScript (basic), HTML/CSS

Data & ML: Pandas, NumPy, scikit-learn, TF-IDF, Classification, Power BI, Tableau

Cloud & DevOps: AWS (Lambda, API Gateway, S3), Azure Fundamentals (AZ-900), OCI Foundations, CI/CD (basic)

Security & Systems: Risk Assessment, Intrusion Detection Systems (IDS), Business Continuity Planning (BCP), Security Policy, Disaster Recovery

Concepts: OOP, REST APIs, Testing & Debugging, Data Modeling, Governance, Automation, Agile Collaboration

Soft Skills: Communication, Problem Solving, Documentation, Team Collaboration

EXPERIENCE

Full-Stack Developer | Saayam For All (Remote, USA) Aug 2025 – Present

- Developed Python + PostgreSQL backend APIs improving response time by 30 %.
- Automated workflows with AWS Lambda & API Gateway, reducing manual tasks by 40 %.
- Added unit tests and deployment documentation to enhance reliability and team onboarding.

Web Developer | Arete IT Services (Client: UMRK Construction, India) Jul 2022 – Dec 2022

- Built and optimized a PHP/MySQL portal to centralize project data; cut report turnaround by 60 %.
- Implemented secure validation and optimized SQL queries for consistent data integrity.

Data Engineer & Data Science Intern | Avishkar Tech Solutions (Remote, India) Jul 2021 – Jun 2022

- Automated data parsing and transformation scripts in Python, improving data quality 20 %.
- Utilized NumPy for optimized array operations and debugged multi-stage pipelines.

PROJECTS

Sentiment Analysis App - Classifies IMDB reviews using TF-IDF + Logistic Regression (85 % accuracy) with Streamlit UI.

Mood Song Predictor - Designed SQL schema and Power BI dashboard for 10 K songs by mood and tempo.

Woodfire Wonders BCP - Built risk assessment and data recovery plan enabling 70 % faster system restoration.

Intrusion Detection System - Developed DNN-based IDS enhancing threat detection accuracy by 18 %.

Big Data Analytics in Healthcare - Analyzed EHR and wearable datasets to improve data pipelines and clinical insight.

Bus Ticket Booking System - Created secure web app for multi-route booking with MySQL validation and authentication.

CERTIFICATIONS

- Microsoft Azure Fundamentals (AZ-900)
- Oracle Cloud Infrastructure Foundations Associate
- Aviatrix Multicloud Network Associate (valid through Oct 2025)

COMPETITIONS & ACHIEVEMENTS

National Cyber League — Fall 2023 Ranked 490 / 4,672 (top 10 %) • Enumeration & Exploitation 94 % • Scanning 93 % • Cryptography 91 %

EDUCATION

M.S. in Computer and Information Systems Security – Rowan University, NJ | May 2025

B.Tech. in Computer Science - KL University, India | May 2023