Amyuktha Gummadi

New Jersey, USA (open to relocation)| amyuktha.gummadi.20@gmail.com | Link | Git | Portfolio

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Professional Summary

Results-driven Cybersecurity and Data professional with expertise in **Python, SQL, AWS, and Power BI**. Proven ability to deliver impactful projects in **data analytics, cloud integration, and cybersecurity strategy**. Skilled at solving complex problems, optimizing workflows, and driving value across **software, data, and security domains**.

Skills

Programming & Tools: Python, C, Java (basic), JavaScript (basic), HTML/CSS, Git, Bash, PowerShell
Databases: MySQL, PostgreSQL
Cloud & DevOps: AWS (Lambda, API Gateway, S3), Azure Fundamentals, Oracle Cloud, CI/CD (GitHub Actions)
Data & ML: Pandas, NumPy, scikit-learn, TF-IDF, Logistic Regression, Naïve Bayes, Streamlit, Tableau, Power BI, Excel
Cybersecurity: Risk Assessment, Business Continuity Planning, Cybersecurity Management, Intrusion Detection Systems (IDS)
Other: Data Structures & Algorithms (Arrays, Trees, Graphs, Dynamic Programming)

Experience

Full-Stack Developer | *Saayam For All – Remote, USA* | Aug 2025 – Present
- Engineered backend features with **Python + PostgreSQL**, enabling faster and more scalable workflows.
- Leveraged **AWS Lambda & API Gateway** to deliver cost-efficient, serverless applications.
- Elevated product reliability by **30%** through automated unit testing and regression test coverage.
- Produced deployment-ready documentation, accelerating onboarding for cross-functional teams.

Web Development Intern | *Arete IT Services Pvt. Ltd (Client: UMRK Construction), India* | Jun 2022 – Dec 2022
- Developed a **full-stack web portal (PHP/MySQL)** that reduced load times by **~60%** and eliminated manual data entry.
- Improved accuracy and efficiency of workflows by centralizing operations.
- Partnered with developers to **debug, test, and deploy features**, reinforcing Agile practices.

Data Engineer / Data Science Intern | *Avishkar Tech Solutions – Remote, India* | Jul 2021 – Jun 2022
- Automated **Python parsing workflows**, improving dataset quality by **20%**.
- Optimized pipelines with **NumPy vectorization**, reducing execution time significantly.
- Designed predictive ML workflows with **Pandas/NumPy**, strengthening analytics-driven decision-making.
- Authored documentation and resolved complex bugs, ensuring smooth project delivery.

Projects

Sentiment Analysis App | *Python + ML + Streamlit*
- Built an interactive app to classify IMDB reviews using **TF-IDF + Logistic Regression** (~85% accuracy).
- Deployed via Streamlit for real-time predictions. GitHub

Mood Song Predictor | *SQL + Power BI*
- Designed relational schema + SQL queries to categorize songs by mood.
- Built **Power BI dashboards** with interactive filtering and visualizations. GitHub

Intrusion Detection System | *Python + Deep Learning*
- Implemented **DNN-based IDS**, outperforming traditional ML models for network threat detection.

Business Continuity Plan – Woodfire Wonders Pizzeria | *Cybersecurity*
- Created a risk assessment, recovery strategies, and security policies to reduce downtime.
- Developed continuity plans aligned with compliance standards. GitHub

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Education

Rowan University, Glassboro, NJ
M.S. in Cybersecurity | May 2025
Koneru Lakshmaiah Education Foundation (KL University), India
B.Tech. in Computer Science (Cybersecurity Specialization) | May 2023

Certifications

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