

Amritesh Kuraria

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🌐 linkedin 🐙 github </> leetcode

TECHNICAL SKILLS

Technical Skills

- **Languages:** Python, Java, JavaScript, TypeScript, C++, HTML, CSS
- **Frameworks & Tools:** Flask, Django, Node.js, React.js, Spring Boot, NumPy, Pandas, Git, Jira
- **Technologies:** AWS, Docker, Kubernetes, CI/CD, MongoDB, Apache Kafka, Machine Learning
- **Core:** OOP, SDLC, Design Patterns, DSA, Best Practices, Technical Documentation

PROFESSIONAL EXPERIENCE

Software Developer Intern

Jun 2025 – Aug 2025

Propvia, Detroit, MI

- Designed **Supabase schemas** with **Row-Level Security (RLS)** to support access control across **3+ roles** and **4+ plan tiers**.
- Built **data ingestion pipelines** from the **LoopNet API** to Supabase, processing **1,000+ listings** with geolocation enrichment and multi-page handling.
- Implemented **usage tracking** and **async workflows** to enforce plan-based limits across **5+ gated features**.
- Integrated **Stripe** and **Postmark** to automate invoicing, email confirmations, and subscription handling for all users.
- Developed and documented **10+ RESTful APIs** with **Swagger**, improving collaboration and frontend integration.
- Set up **CI/CD pipelines** via **GitHub Actions**, reducing deployment time by **60%**.
- Containerized services with **Docker** for full development–production parity.
- Used **SonarQube** to monitor code quality, reducing smells and boosting maintainability by **30%**.
- Upgraded the **intrusion prevention system**, resolving **5+ critical vulnerabilities**, enhancing **server security**, and surpassing the **99.9% uptime** target.

System Engineer

Oct 2021 – Aug 2024

Boston Scientific (TCS), India

- Engineered a scalable ETL pipeline using **Apache Airflow**, **SQL**, and **Power BI**, reducing report generation time by **70%**.
- Scheduled workflows with **Python**, cutting manual effort by **30%**.
- Integrated **AWS Lambda** for serverless computing, optimizing costs by **30%**.
- Performed **12+ vulnerability assessments** of client-facing applications, resolving over **600 vulnerabilities**.
- Conducted UAT with creation and oversight of **50 test cases**.
- Administered periodic restarts and monitored server load to maintain **99.9% uptime** and ensure system reliability.

PROJECTS

ML-Powered Hypothesis Testing Dashboard

- Built a real-time analytics dashboard with **Python Streamlit** to visualize and analyze **2.5M+ NeurolPS records**.
- Enabled instant execution of **SVM**, **ANOVA**, and **logistic regression**, with full **CRUD** operation support and 35% reduction in analysis time.
- Trained a **Random Forest Classifier** to model income prediction, applying **hyperparameter tuning** for optimal performance.

Cloud BI Dashboard for S&P 500 Analysis

- Designed and implemented a cloud-based data pipeline using **AWS S3**, **AWS Glue**, and **Amazon Athena** to analyze stock data from 500+ U.S. companies.
- Systematized data cataloging with **AWS Glue Crawlers** and enabled **SQL-based querying** via Athena, reducing manual processing time by **80%**.
- Delivered a **BI solution** with **Power BI** for near real-time insights and interactive reporting on financial datasets.

EDUCATION

State University of New York at Buffalo, Buffalo, NY

Aug 2024 - Dec 2025

Master of Science, Computer Science, GPA: 3.6/4

Rajiv Gandhi Proudhyogiki Vishwavidyalaya (RGPV), Bhopal, India

Aug 2017 - Jul 2021

Bachelor of Engineering, Computer Science, GPA: 7.7/10

CERTIFICATION

- **AWS Cloud Practitioner Essentials** - Amazon Web Services