

MOHAMMED RAAZI

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Bangalore, India

Professional Summary

Enthusiastic AI Engineer and Data Analyst with hands-on experience in developing AI-powered applications and data-driven solutions. Delivered 5+ live projects with 500+ active users using Python, Machine Learning, and cloud technologies. Skilled in building LLM-integrated systems, automating workflows, and optimizing performance, with a solid foundation in system design and security principles. Passionate about applying AI to solve real-world problems and deliver impactful results.

Education

Don Bosco Institute of Technology

Bangalore, India

Bachelor of Engineering in Artificial Intelligence and Data Science

May 2026

Projects

Karmalyze | *AI-Powered Infrastructure Monitoring Platform* | *Python, Docker, Kubernetes, AI/ML* [[GitHub](#)] **2024-2025**

- Architected intelligent failure prediction system integrating 4 AI providers (Gemini, QWEN3, LLAMA-3) with cryptographic security, reducing incident response time by 75% and preventing system outages
- Built production-ready microservices platform with Docker/Kubernetes deployment, processing 10,000+ monitoring events/hour while maintaining 99.9% uptime through automated health checks
- Implemented behavioral scoring engine with SHA-256 encryption and audit trails that tracks system performance patterns, enabling proactive failure prevention and 40% faster recovery times
- Designed multi-database architecture (PostgreSQL, MongoDB, Redis) with semantic memory system that learns from historical failures, deployed with Prometheus/Grafana monitoring stack

Subway Surfers AI Agent | *Python, Deep RL, OpenCV, Computer Vision* [[GitHub](#)] **2025**

- Developed a fully autonomous AI agent using Double DQN that achieved a 3x score increase on Subway Surfers emulator gameplay
- Implemented a real-time vision pipeline for pixel-level state extraction with under 200ms latency
- Improved model performance using prioritized experience replay, achieving steady convergence over 50k iterations
- Automated gesture-based gameplay via emulator touch mapping, enabling end-to-end hands-free runs

Technical Skills

Languages: Python, SQL

AI/ML: Machine Learning, NLP, Computer Vision, LLMs, Neural Networks, Recommendation Systems

Frameworks: FastAPI, Streamlit, TensorFlow, PyTorch, Pandas, NumPy, OpenCV

Cloud and DevOps: AWS, Docker, Vercel, Microservices, PostgreSQL, MySQL

Visualization: Power BI, Tableau, Matplotlib, Seaborn, Plotly, Excel

Tools: Git, GitHub, REST APIs, Version Control, CI/CD

Certifications

Machine Learning For All – University of London (Coursera) 2025

Google Data Analytics Certificate – Google (Coursera) 2024

Python for Data Science, AI and Development – IBM (Coursera) 2024

Database and SQL for Data Science – IBM (Coursera) 2024

Achievements

Delivered 5+ cross-platform applications with more than 500 active users and 99.9% uptime in production environments

Engineered a game-playing AI agent that consistently achieved top 10% scores across emulator runs using deep RL

Developed a mobile fitness app with real-time sync and support for wearable devices, successfully deployed with user engagement tracking

Created an open-source AI chatbot platform deployable with a single API key, open-source project with growing developer adoption available in my Portfolio

Shipped 3+ AI-powered apps in 24-hour hackathons with complete login systems, backend integration, and deployment