Khaja Moinuddin Shaik Mohammed

+91 9908152590 | monu.dev@proton.me | [github](#) | [moinuddin.framer.ai](#) | [linkedin](#) | [leetcode](#)

SDE — Backend Systems — FastAPI · Docker · PostgreSQL — ML Integration — 120+ LeetCode

EDUCATION

Mahatma Gandhi Institute of Technology   Oct 2022 – Expected: Jul 2026
Bachelor of Technology in Computer Science (AI & ML)   *Hyderabad, TG*

RELEVANT COURSEWORK

Data Structures & Algorithms | Operating Systems | Computer Networks | Software Engineering | Compiler Design | Deep Learning | Machine Learning | NLP

EXPERIENCE

Machine Learning Trainee — Amazon ML Summer School   Aug 2025 – Present
Remote

- Selected as one of 3,000 participants across India for Amazon's ML Summer School 2025.
- Completing intensive modules on supervised learning, deep neural networks, generative AI, reinforcement learning, and more.
- Engaging with Amazon ML scientists through live sessions and Q&A.

SELECTED PROJECTS

DocuLens AI (In Progress) | *FastAPI, Celery, PostgreSQL, Hugging Face, React* [GitHub]   Jun 2025 - Present

- Building a scalable document automation backend using FastAPI, Celery, and PostgreSQL — enabled async task queues, multi-user routing, and 85% faster doc review.
- Developing modular APIs integrating six NLP tasks (QA, Classification, OCR, Retrieval), achieving 94% model accuracy and 90% field-level precision.
- Implementing audit-ready logging, versioning, and error traceability features, aligning with enterprise-grade workflows.
- Designing intuitive UI with React and Tailwind — enabled real-time previews and drag-and-drop uploads, improving UX by 30%.

EcoGuardian AI | *Python, React Native, TensorFlow Lite, Appwrite* [GitHub]   Mar 2025

- Engineered a real-time mobile AI app for waste classification, with less than 0.3s latency and 82% accuracy on-device.
- Built optimized CNN inference for offline usage, reducing load times by 50% and improving user experience.
- Integrated gamification that boosted daily active user retention by 25%.
- Designed backend with secure auth and future-ready architecture using Appwrite.

TECHNICAL SKILLS

Languages: Python, Java, SQL, TypeScript
Frameworks & Libraries : FastAPI, Celery, PyTorch, TensorFlow, Streamlit, Hugging Face Transformers
Databases : PostgreSQL, Redis, MongoDB
Developer Tools: Git, Docker, VSCode, Postman, Weights & Biases
Cloud & Data Tools : AWS (S3, SageMaker, Translate), Seaborn, Matplotlib
CP Profile: 120+ LeetCode problems solved. Focus: Arrays, Graphs, DP

LEADERSHIP & INITIATIVES

Google — Student Ambassador Program   Aug 2025 – Present
Founder, EditMagnet   Nov 2024 – Present
Open Source Contributor (WIP), TensorFlow & Hugging Face   Jun 2025 – Present
Freelance Video Editor: 150+ clients, 1M+ views (YouTube, Netflix/Hulu/Prime)   Nov 2021 – Present
Silver Medalist, Student Olympic National Games (Doubles)   Jul 2018