

ANAS KHAN

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📍 Bangalore, IN

SKILLS

Languages: Python, Go, JavaScript, Ruby, C, C++, Java
Databases: PostgreSQL, MySQL, SQLite, MongoDB, Redis
Libraries: Pandas, NumPy, PyTorch, Pillow, NLTK

Web: HTML, CSS, Flask, Django, Rails, Express.js (Node.js)
Tools: Git, GitHub, Docker, Kubernetes, Jenkins, Airflow, n8n
Platforms: AWS, Google Cloud, Azure, Vercel, Render

EXPERIENCE

- Software Engineer, Microsoft** May 2026 – Ongoing
- Advancing customer-facing UX and agentic developer experience for **Microsoft Fabric Lakehouse** in the **Azure Data** org.
- Software Development Engineer, HackerRank** Jan 2025 – May 2026
- Architected and deployed a recurring revenue subscription system for the **HackerRank Community** (1M+ MAU), built with **Ruby on Rails**. Integrated payment processing with **Stripe** and **Razorpay**, custom invoicing, and comprehensive reporting. Leveraged **AWS** services (S3, Lambda, SQS) for infrastructure, supporting multiple credit-based plans and features such as mock assessments, AI interviews, and a chat-based **tutorbot**.
 - Benchmarked and fine-tuned **open-source LLMs** (LLaMA 3.2, DeepSeek, Gemma3, Phi-4) for efficient inference.
 - Build a **RAG model** with **vector embeddings** (ChromaDB) to enhance developer onboarding and learning experiences.
 - Built a scalable **distributed web crawler** and scraper using Playwright and NLTK, achieving **94% labeling accuracy**.
- Google Summer of Code Contributor, Google DeepMind** May 2025 – Nov 2025
- Engineered an E2E **agentic eval framework** benchmarking **multimodal LLMs** — **Gemini, Gemma**, and open-weight models on **frontend code generation** tasks; designed iterative visual-feedback loop yielding **+23.7%** self-correction gains.
- Backend Engineering Intern, FamPay (YC S19)** Aug 2024 – Nov 2024
- Developed a scalable data deletion service using **Django** for regulatory compliance and database performance.
 - Developed recharge and payment use cases on **TPAP infrastructure** with **hexagonal architecture** in **Golang**, enabling in-app P2M (Pay to merchant) transactions supporting over **100 thousand users**.
- Digital and Technology Intern, General Mills India** June 2024 – Aug 2024
- Worked with the **Data Engineering** team on a commercial File Data Ingestion project utilizing **BigQuery**.
 - Established standardized procedures for incoming file management via shared mailbox, SFTP, and **GCP** Buckets.
 - Executed the FDI process with data quality checks using **DBT**, integrated into **Airflow DAGs with Python and SQL**.

PROJECTS

- CertiSure** [🔗](#) | *Certification Generation and Validation Platform* React.js | Python, FastAPI | MongoDB
- Architected CertiSure, a B2B SaaS platform for certificate generation with embedded QR codes and server-side validation. Developed a visual editor, templating engine, and bulk CSV/XLS importing and mailing features, along with analytics. Targeted for college committees and mid-sized organisations. **Currently facilitates more than 500 certificate generations.**
- AuraTrips** [🔗](#) | *AI-powered personalized travel itinerary generator* React.js | Python, FastAPI | LLM, RAG | PostgreSQL
- Developed an AI-powered web app using **RAG** and **LLaMA 3** to generate personalized travel itineraries by synthesizing user preferences (budget, interests, duration) from verified traveler datasets, integrating interactive maps for easy planning.
- Python Packages** [🔗](#) | *Utility PyPI Packages* **45K+ Downloads** | Python 3
- FFpy** a multi-threaded CLI benchmarking tool. **FlashFlask** for fast backend app creation with authentication, database, and security. **OpynGPT** Implements Generative AI in Python projects using large language models (LLMs).

EDUCATION

Thadomal Shahani Engineering College (TSEC) – University of Mumbai Mumbai, India

Bachelor of Engineering in Information Technology – *Principal's Excellence Laureate* CGPA: 8.7

EXTRA-CURRICULAR

- Awarded **Principal's Excellence Award**, the highest departmental honor for exceptional four-year performance (top 2).
- Leadership Positions** | Member of tech committees responsible for organizing seminars, events, and hackathons.
- TSEC CodeCell**, *Senior Committee Member* Mar 2023 – Mar 2024
 - Developers Club**, *Junior Committee Member* Feb 2022 – Mar 2023
- Hackathon Team Leader** – Led backend, architecture, deployment, and presentations. Secured multiple hackathon **wins**, including 2nd place at **VJTI Refaktor** (Top 2/100+), **Bit N Build by GDSC** (Top 2/150+), and several college-hosted hackathons; **Finalists at Mumbai Hacks 2023**. Ranked **Top 0.5%** in **Flipkart GRiD 5.0** among 3,97,000+ participants.
- Shortlisted for **Amazon Machine Learning Apprentice - Summer School 2023** for industry guidance and ML development.
- Contributed to various **open-source** organizations and participated in **GitHub Hacktoberfest '22**, **GSSoC '23**, and **GSoc '25**.
- Authored and presented research paper titled "**Comparison of Prompt Engineering Techniques for Improved LLM Performance in Fitness**" at **CML 2025**. Published in SCOPUS-indexed **Springer** Lecture Notes in Networks and Systems Vol-1612.

PROFESSIONAL CERTIFICATIONS

Microsoft Azure AI - 900 **Harvard CS50x/CS50 Python** **GitHub Actions** **Oracle OCI Gen AI 1Z0-1127-24**