

ANAS KHAN

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SKILLS

Languages: Python, Go, JavaScript, Ruby, C, C++, Java **Web:** HTML, CSS, Flask, Django, Rails, Express.js (Node.js)
Databases: PostgreSQL, MySQL, SQLite, MongoDB, Redis **Tools:** Git, GitHub, Docker, Kubernetes, Jenkins, Airflow, n8n
Libraries: Pandas, NumPy, PyTorch, Pillow, NLTK **Platforms:** AWS, Google Cloud, Azure, Vercel, Render
AI Agents: RAG, Agentic Workflows, Multimodal LLMs **Agent Tooling:** ADK, MCP, A2A, ACP, Hugging Face, vLLM

EXPERIENCE

Software Engineer, Microsoft | Cloud + AI May 2026 – Ongoing
• Building customer-facing **data engineering** and **agentic developer experiences** across **Microsoft Fabric** products, including Lakehouse, Notebooks, Spark Job Definitions, Synapse Studio, and monitoring tools.

Software Development Engineer, HackerRank Jan 2025 – May 2026
• Built **HackerRank MCP** and core systems for **HackerRank Orchestrate**, including **agent evaluation pipelines**, Agent Files, and voice-based AI judging for agent hackathons.
• Shipped **AI-powered mock interviews** for technical, behavioral, and AI-fluency screening; contributed to the open-source **Hiring Agent** resume evaluation and scoring pipeline.
• Architected and deployed a recurring revenue platform for the **HackerRank Community (1M+ MAU)** using **Ruby on Rails, Stripe, Razorpay**, and **AWS (S3, Lambda, SQS)**, supporting credit-based plans, invoicing, and reporting.
• Benchmarked and fine-tuned **LLaMA 3.2, DeepSeek, Gemma 3**, and **Phi-4**; built a **RAG** learning system and a distributed crawler that achieved **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 an 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* 64K+ PyPI 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).
Team leader and winner of **6+ hackathons**, including 2nd place at **VJTI Refaktor** and **GDSC Bit N Build**; finalist at **Mumbai Hacks 2023**. Ranked **Top 0.5%** in **Flipkart GRiD 5.0** among 397,000+ participants.
Shortlisted for **Amazon Machine Learning Apprentice - Summer School 2023** for industry guidance and ML development.
Participated in **GitHub Hacktoberfest '22** and **GSSoC '23**; **GSoC '25 Contributor** and **GSoC '26 Mentor** at **CircuitVerse.org**.
Merged **500+ PRs** across **95 repositories**, contributing to **Google, Nvidia, React, Rails, Linux Kernel, Prometheus, Ollama, Unsloth, OpenAI, A2A Protocol, CNCF** projects, and **Apache** data projects (**Airflow, Arrow, Iceberg, Calcite, Parquet**).
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**