

# Mohamed Fahim

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## Professional Overview

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AI Developer with experience in **Generative AI and Data Science**. Skilled in applying AI techniques to develop practical solutions and focused on learning and delivering effective results.

**Dedicated to transforming possibilities into powerful AI-driven outcomes.**

## Skills

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- **Generative AI Technology and Solutions:** LLM API Integration, Agent-Based AI Workflows, Advanced Prompt Engineering & Optimization, Azure AI Prompt Flow Integration, Retrieval-Augmented Generation Techniques, Vector Database Management, Local Deployment of LLM, Optical Text Recognition and Processing.
- **Natural Language Processing (NLP):** Text Classification and Categorization, Named Entity Recognition for Information Extraction, Intent Recognition and Semantic Understanding, Text Summarization, Text-To-Speech & Speech-To-Text.
- **Cloud Services:** Azure AI Studio & Cognitive Services( Azure AI Studio, Language Studio, Speech Studio, and other Azure Cognitive Services), Cloud Deployment of Open-source Models, Azure Blob Storage
- **Programming Languages:** Proficient in Python, specializing in AI development, automation, and data-driven applications.
- **Database Expertise:** Proficient in database design and optimization using AI Agent, with MySQL, PostgreSQL, and Python integration via SQLAlchemy for efficient data management.
- **Web Technologies:** AI backend integration with FastAPI, web scraping (BeautifulSoup, Selenium, Playwright) to enrich LLM knowledge, and process automation.
- **Deployment & Version Control:** Containerizing applications with Docker, managing code using Git/GitHub, and deploying to cloud platforms (Azure).
- **Data Science:** Data analysis using NumPy, Pandas, and Matplotlib. Solid understanding of Machine Learning and Deep Learning fundamentals.

## Experience

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**Generative AI Developer, Alazka AI Solutions – Bengaluru, Karnataka** **Aug 2024 – Present**

- Building an **AI-based customer support platform as a full-scale project**, implementing an agentic workflow and utilizing prompt engineering to enhance response accuracy by 50%.
- Contributing to an AI-driven recruitment platform, automating the extraction of key data from CVs in a structured format, leading to a **40% reduction in time-to-hire by streamlining candidate screening and evaluation**.
- **Collaborated with clients to analyze requirements and delivered solutions**, achieving a 95% satisfaction rate and measurable improvements in efficiency.

**Generative AI Developer Intern, Alazka AI Solutions – Bengaluru, Karnataka** **Mar 2024 – Jul 2024**

- **Developed a local LLM-based POC for offline generative AI applications**, improving cost efficiency by 25% and enhancing data security by processing sensitive data locally, reducing reliance on cloud services.
- Created a **multilingual voice assistant POC** using advanced audio segmentation techniques (both open-source and paid models) and noise cancellation methods. Achieved a 75% accuracy rate
- **Designed and implemented an online web scraping-based RAG chatbot POC**, increasing the chatbot's knowledge accuracy by 50% through real-time data integration from external websites.
- **Contributed to the development of a Customer Assistant Platform POC**, which was later transitioned into a full-scale project. This resulted in a 20% improvement in response efficiency during testing phases.
- Assisted in the adoption of agile methodologies within the team, introducing tools and techniques that helped adapt to changing project requirements, **resulting in a 40% increase in overall productivity**.

## Freelance Python Programmer, Coimbatore, Tamil Nadu

June 2023 – Mar 2024

- Conducted manual testing of Python programs using AI tools, **enhancing project efficiency by 30%**.
- Advised on the implementation and **suggested models for a Generative AI-based learning platform** as part of a college final-year project, saving approximately 25 development days.
- **Developed a Generative AI chatbot by integrating content from university websites**, achieving an 85% accuracy rate in addressing institution-specific queries.

## Education

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### VSB Engineering College, B.Tech in artificial Intelligence and Data Science

Nov 2022 – Present

- **Focused on AI, machine learning, and software** development during coursework.
- Participated in a Hackathon and **led a team to the top 10% in a Generative AI hackathon**, where we built an AI-based mentor using Agentic Workflow.