

Md Zeeshan Faiz

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WORK EXPERIENCE

Outlier AI

Apr 2025 – Present

Generative AI Engineer

Remote, India

- Built and evaluated generative AI pipelines using tools such as LangChain, LlamaIndex and Vector Databases (ChromaDB, FAISS) for context-augmented question answering and task completion.
 - Integrated PEFT (Parameter-Efficient Fine-Tuning) techniques like LoRA for domain-specific fine-tuning of LLMs, improving response relevance and accuracy.
 - Developed Retrieval-Augmented Generation (RAG) pipelines for semantic search and document QA, leveraging embedding models and similarity-based retrieval.
 - Reviewed, optimized and aligned real-world coding problems with best practices to enhance the training and evaluation of LLMs.
 - Collaborated with cross-functional teams to validate data quality, improve test coverage and standardize benchmarks for model performance evaluation.
- **Stack:** Python, LangChain, LlamaIndex, PEFT (LoRA), OpenAI API, HuggingFace Transformers, Vector Database (ChromaDB, FAISS), Agent Development Kit, FastAPI, Git, Docker, Kubernetes, Terraform, Vertex AI.

IBM

Oct. 2022 – Dec 2024

Team Lead | Mar 2024 – Dec 2024

Bangalore, India

- Led and mentored a team of developers, ensuring smooth project execution, alignment with business goals and client satisfaction.
 - Facilitated stakeholder communication through daily stand-up calls, tracking sprint progress and proactively resolving blockers.
 - Optimized development workflows using JIRA, enhancing project efficiency, resource allocation and cross-functional collaboration.
- **Stack:** Confluence, Workday, Slack, JIRA, ServiceNow, Power BI, Microsoft Teams.

Software Engineer | Oct 2022 – Mar 2024

Bangalore, India

- Optimized system performance by implementing Solace Pub-Sub instead of DB Copy, reducing CPU, memory, and I/O load by 60%.
 - Increased operational productivity by automating reporting processes, saving 6-8 hours of manual effort per week and ensuring real-time insights.
 - Incorporated WatsonX & Gen AI for document summarization and data extraction, boosting processing accuracy by 30%.
 - Developed Interview Guru AI (RAG-based), leveraging AI for automated interview preparation and improving candidate readiness by 20%.
- **Stack:** Java EE, Spring Boot, AWS, Docker, Kubernetes, Gen AI, RDBMS, PL/SQL, Qlik Share.
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- Developed and implemented machine learning algorithms to solve diverse real-world problems, optimizing predictive accuracy and model efficiency.
- Created educational content and tutorials to simplify complex ML concepts, making them accessible to learners from non-technical backgrounds.
- Designed and delivered interactive learning resources, including case studies and hands-on projects, to help working professionals gain practical AI and ML skills.
- Assisted in developing industry-relevant ML curriculum, ensuring alignment with current trends and best practices in artificial intelligence.
 - **Stack:** Python, Machine Learning, TensorFlow, PyTorch, Docker, FastAPI, Heroku, HTML-CSS-JavaScript, Putty.

EDUCATION

Maharashtra Institute of Technology (MIT WPU)

Jun. 2018 – May. 2022

Major: B. Tech in ECE Engineering

Pune, India

- **CGPA: 9.68/10.0 Rank Holder.**
- **Captain, College Football Team** – Led the team to victory in Sports Summit 2021.
- **Winner, Inter-College Baseball Tournament (2022).**

ADLS Sunshine School

Mar. 2016 – Apr. 2018

High School in Computer Science

Jamshedpur, India

- **Marks: 92% School Topper.**
- **School President** – Led student initiatives and represented the student body.
- **Scholarship Recipient (2 Years)** – Awarded for exemplary academic performance.

CERTIFICATIONS, SKILLS, INTERESTS & AWARDS

- **Certifications:** Introduction to LLM (Google), Applying AI Principles (Google) IBM Agile Explorer, IBM Cloud Advocate, GenAI & WatsonX for IBM, Enterprise Design Thinking, Retail Industry Insights.
- **Skills:**
 - **Technology & Development:** LangChain, LlamaIndex, HuggingFace Transformers, OpenAI API, PEFT (LoRA), ChromaDB, FAISS, RAG Pipelines, Spring Boot, FastAPI, Node.js, JavaScript (React), TypeScript, Python, Java, TensorFlow, PyTorch, Google Cloud Platform
 - **Project & Process Management:** JIRA, Confluence, Slack, Microsoft Teams, Google Workspace.
- **Interests:** Football; Public Speaking; Travelling; Cultural Exploration; Technology & Innovation.
- **Awards:**
 - **WatsonX Annual Competition (IBM)** – Secured 3rd position in IBM's prestigious AI competition, showcasing expertise in Generative AI and automation.
 - **Manager's Choice Award** – Recognized for outstanding leadership, problem-solving, and business impact within the team.
 - **Team Accreditations** – Earned multiple team recognitions for exemplary contributions to process automation, system optimization, and stakeholder collaboration.