Kashiful Haque

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Software Engineer with almost 3 YOE in Machine Learning and Backend Development. Current MLE @ AMEX, formerly worked as Associate SE @ Fiery (an Epson company). Studied Data Science at IIT Madras.

Work Experience

Machine Learning Engineer   02/2025 – Present
American Express   *Bengaluru, India*

Associate Software Engineer   07/2023 – 02/2025
Fiery (an Epson company)   *Bengaluru, India*
- Built AskDB, a platform for upper management to know how the company is performing.
- Built an audio fingerprinting solution to identify ads played on TV.
- Built RAG based FieryGPT using LLaMa 3.1 LLM, trained LoRA adapter on company data for QnA.
- Led development of "Beacon", used LLM to automate print requests coming via email and natural language.
- Tech: TypeScript, Python, FastAPI, huggingface, Transformers, vLLM, ollama, ImageMagick, PyTorch, Qdrant, Docker, Numpy, Pandas

Data Scientist, Intern   01/2023 – 07/2023
Electronics for Imaging   *Bengaluru, India*
- Cost-effective results compared to costly Photoshop APIs.
- Built a product mockup solution using ImageMagick and Node.js
- Tech: TypeScript, Angular, Node.js, Python, Flask, ImageMagick, MySQL, NLTK, spaCy

Fullstack Developer, Intern   07/2022 – 12/2022
Corteva Agriscience   *Hyderabad, India*
- Migrated Flask monolith to scalable APIs, separating out backend and frontend.
- Codebase optimizations which resulted faster AutoML job triggering on Kubernetes.
- Tech: Python, Flask, Docker

Education

Indian Institute of Technology Madras   2020 – 2024
Bachelor of Science, *Data Science and Applications*

Projects

Boo • git repo
Python, Discord.py, Go, PostgreSQL, Cloudflare Workers, Linode

Odeer • git repo
Go, Gin, Cloudflare

Skills

- Python, TypeScript, C, C++, Rust, Go
- Node.js, Express.js, Vue, Angular, FastAPI, Flask, Tailwind
- NumPy, Pandas, scikit-learn, Pytorch, huggingface, JAX, NLTK, spaCy, CUDA
- Vector database, Qdrant, SQL, MySQL, SQLite, Redis, Docker, Git, Linux