Kashiful Haque

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Software Engineer with more than 2 years of experience in Backend Development, Data Science, AI and ML. Expertise in NER, NLP, fine-tuning LLMs, Generative AI and building RAG solutions. Studied Data Science at IIT Madras.

Work Experience

Associate Software Engineer   07/2023 – Present
Fiery (an Epson company)   *Bangalore, India*

- Led development of "Beacon", an innovative NLP-driven system utilizing LLMs and entity extraction for intelligent print job processing.
- Engineered automated workflow to extract print specifications from user emails, significantly streamlining the printing process and enhancing user experience.
- Built an audio fingerprinting solution to identify ads played on commercial stations like TV, etc.
- Built RAG based FieryGPT using LLaMa 3.1 8B LLM, trained LORA adapter on company data for Question and Answering.

Data Scientist, Intern   01/2023 – 07/2023
Electronics for Imaging   *Bangalore, India*

- Developed an innovative product mockup solution using ImageMagick, Node.js, and Python, delivering superior results compared to expensive Photoshop APIs.
- Implemented cost-effective image processing techniques, resulting in significant cost savings and improved efficiency for the company's product visualization workflow.

Fullstack Developer, Intern   07/2022 – 12/2022
Corteva Agriscience   *Hyderabad, India*

- Improved Flask codebase, resulting in 15% faster AutoML job triggering on Kubernetes.
- Led migration of refactoring of Flask monolith to scalable APIs, improving scalability and reduced deployment time by around 10%

Education

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

University of Calcutta   2016 – 2019
Bachelor of Technology, *Electronics and Communications Engineering*

Projects

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

Odeer • git repo
Go, Gin, Cloudflare

Skills

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