Kashiful Haque

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

Work Experience

Associate Software Engineer   07/2023 – Present
Electronics for Imaging   Bangalore, India
- Built an audio fingerprinting solution to identify ads played on commercial stations like TV, etc.
- Developed vector database solution for superior image and text search experience.
- Built RAG based chat solution using Mistral-7B LLM, trained on company data for Question and Answering.

Data Scientist, Intern   01/2023 – 07/2023
Electronics for Imaging   Bangalore, India
- Improved efficiency by developing a pipeline to eliminate manual labour in text extraction.
- Created realistic conversational dataset to amplify accuracy of text classification model.
- Built cost-effective solution for creating product mockups using ImageMagick & Node.js/Python, surpassing results of expensive Photoshop APIs hence saving significant costs for the company.

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   12/2020 – 09/2024
Bachelor of Science, *Data Science and Applications*

University of Calcutta   08/2016 – 03/2019
Bachelor of Technology, *Electronics and Communications Engineering*

Projects and Blogs

Beginner's Guide to CUDA Programming • blog here
C++, CUDA, Google Colab

berzifetch • git repo
Rust, system fetch, Linux

Introduction to Deep Learning • blog here
Deep Learning, Perceptron, Python, PyTorch

Vuether • git repo • website
Vue, REST API, OpenWeatherMap

Skills

- Python, JavaScript, TypeScript, C++, Rust, 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