

# 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

### FieryGPT

*Ollama (llama.cpp), PyTorch, FastEmbed, Sentence Transformer, Qdrant, FastAPI, Express.js, Vue.js*

### Beginner's Guide to CUDA Programming • [blog here](#)

*C++, CUDA, Google Colab*

### berzifetch • [git repo](#)

*Rust, system fetch, Linux*

### 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