

Kainat Faisal

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Education

2022 – Present: Bachelor's in Computer Science FAST - National University of Computer and Emerging Sciences (NUCES).

2020 – 2022: Nixor College - A levels in Natural Sciences and English Literature

2016 – 2020: St.Joseph's Convent School - O levels in Natural Sciences and English Literature

Skills

- Proficient in Python (matplotlib, pandas, numpy, tkinter, scikit-learn, tensorflow, pytorch, keras)
 - Proficient in Javascript and its frameworks (Node.js, React.js, Next.js,) for web development and responsive design
 - Familiar with tools and platforms like Clerk, Stripe, Firebase and Google gemini
 - Proficient in C, C++ for developing algorithms, data structures and algorithm implementation
 - Proficient in HTML and CSS3 (including Material UI) for web development
 - Familiarity with building and consuming RESTful APIs
 - Proficient in database management, including PostgreSQL and MongoDB
 - Proficient in Assembly Language
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Technical Work Experience

Frontend Developer Intern - Innoserve Pvt. Ltd.

Sept 2024 - Nov 2024

- Developed dynamic and responsive web applications utilizing React.js, Next.js, Node.js, Tailwind CSS, Material-UI, and TypeScript.
- Led end-to-end development of projects, from UI/UX design to production, in collaboration with a team of engineering peers, ensuring timely delivery and quality outcomes.

Software Engineering Intern - Headstarter

July 2024 - Sept 2024

- Built 5+ AI apps and APIs using NextS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
 - Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
 - Coached by Amazon, Bloomberg and Capital One engineers on Agile, C/CD, Git and microservice patterns
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Technical Projects

Football Match Outcome Predictor | [Link](#)

Languages/technologies/frameworks: *Python, Web Scraping, Machine Learning*

- Developed a machine learning model using Python and web-scraped EPL match data to predict football match outcomes.
- Optimized accuracy through data cleaning, feature engineering, and iterative evaluation.

Customer-Product Recommendation System | [Link](#)

Languages/technologies/frameworks: *Python, Bipartite Graphs, Cosine Similarity, Machine Learning*

- Designed and implemented a recommendation system using a bipartite graph and cosine similarity.
- Evaluated performance using precision, recall, and F1-score to analyze customer behavior and optimize product recommendations.

Tutorly – Personalized Online Tuition Platform | [Link](#)

Languages/technologies/frameworks: *Next.js, React.js, Gemini API, MUI, PostgreSQL, StripeAPI, WhatsappAPI*

- Developed a feature-rich, secure, and scalable online tuition platform for modern education.

FlashStudyX – AI-driven Flashcard SaaS | [Link](#)

Languages/technologies/frameworks: *Next.js, React.js, Gemini API, MUI, Clerk, StripeAPI, Firebase*

- Developed an AI-driven SaaS platform that generates custom flashcards on any topic to enhance learning and retention.

AI Expert Chatbot | [Link](#)

Languages/technologies/frameworks: *Next.js, React.js, Gemini API, MUI, Naïve Bayes Classifier, LLM Training*

- Developed an AI-powered chatbot with two virtual experts providing instant expert knowledge. Integrated a third LLM with a Naïve Bayes classifier to accurately route user queries between fashion and academic topics.