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

Technical Work Experience

Frontend Developer Intern - Innoserve Pvt. Ltd.   **Sept 2024 - Nov 2024**
- Developed 3 dynamic and responsive utilizing React.js, Next.js, Node.js, Tailwind CSS, Material-UI, and TypeScript, achieving 98% performance and usability ratings from over 1,000 users.
- Led end-to-end development of projects, from UI/UX design to production, in collaboration with a team of 4+ engineering peers, ensuring timely delivery and quality outcomes.

Software Engineering Intern - Headstarter   **July 2024 - Sept 2024**
- Built 5+ AI apps and APIs using NextS, OpenAl, 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

Technical Projects

Football Match Outcome Predictor (Personal) | 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 (Personal) | 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 (Personal) | 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 (Personal) | 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 (Personal) | 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: Vivienne, a fashion advisor, and Leo, a science and math tutor, providing instant expert knowledge. Integrated a third LLM with a Naïve Bayes classifier to accurately route user queries between fashion and academic topics.