

Kainat Faisal

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Introduction

Adaptable Computer Science student with considerable expertise generating first-class results. I meet job demands and deadlines via dedicated work-ethic and great attention to excellence. I am a detail-oriented adept at making crucial choices, managing timelines and conducting team evaluations. With competence in analytical and quantitative problem-solving skills, I am committed to corporate growth and improvements.

Academic Qualification

2022 – Present: Bachelor's in Computer Science FAST - National University of Computer and Emerging Sciences (NUCES). 2020 – 2022: Nixor College - A levels in Sciences and English Literature

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

Technical Hands-on and Personal Skills

- Proficient in Javascript and its frameworks (Node.js, React.js, Next.js,) for web development
 - 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 PYTHON (matplotlib, pandas, numpy, tkinter)
 - Proficient in HTML and CSS (including Material UI) for web development
 - Proficient in Object Oriented Programming
 - Proficient in Assembly Language
 - Proficient in Shell Scripting and Operating Systems
 - Proficient in testing and debugging
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Experience

- Software Engineering Fellow (July 2024-Sept 2024)
 1. Built 5+ AI apps and APIs using NextS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
 2. Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
 3. Coached by Amazon, Bloomberg and Capital One engineers on Agile, C/CD, Git and microservice patterns
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Personal Projects

- Developed **Tutorly**, an **Personalized Online Tuition Platform** that offers a feature-rich, secure, and scalable solution for modern education using **Next.js, React.js, Gemini API, MUI, PostgreSQL, Stripe**.
- Developed an **AI Customer Support Chatbot** using **Next.js, React.js, Gemini API, MUI**.
- Developed an **Inventory Management System** using **Next.js, React.js, Firebase, MUI** to manage an inventory with pantry items.
- Developed "FlashStudyX," an **AI-driven SaaS platform** that generates custom flashcards on any topic, enhancing learning and retention using **Next.js, React.js, Gemini API, MUI, Clerk, Stripe**.

- Developed a **Digital dictionary as a DSA project**:

Implementing a spell checker using a hash table in C++ to efficiently store words, allowing users to read a dictionary file and receive suggestions for misspelled words.

- Developed a **Unix Shell as an Operating Systems project**:

C program that simulates a Unix shell environment, allowing users to execute commands. It includes functionalities like executing built-in commands (e.g., exit, help, cd), handling input/output redirection, and supporting parallel command execution.

- Developed a **GUI based python project** on the development of a **Turing machine for string manipulation** : **Python code** that allows users to input a string, perform operations on it using the Turing machine methods, and display the results visually on a tape-like display.