

# Kainat Faisal

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Github: <https://github.com/kainatff>

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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.

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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 Sciences and English Literature

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

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## 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 CSS3 (including Material UI) for web development
  - Familiarity with building and consuming RESTful APIs
  - Proficient in databases like PostgreSQL and MongoDB.
  - Proficient in Assembly Language
  - Proficient in Shell Scripting and Operating Systems
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## Experience

- **Front-end Developer Intern** at Innoserve Pvt. Ltd. **Sept 2024 - Present**
    1. Built 5+ dynamic, responsive web applications using React.js, Next.js, Node.js, Tailwind CSS, Material-UI, and Typescript ensuring 98% performance and usability ratings from 1,000+ users.
    2. Built spearheaded projects from UI/UX design to production, collaborating with 4+ engineering fellows.
  - **Software Engineering Intern** at Headstarter **July 2024 - Sept 2024**
    1. Built 5+ AI apps and APIs using Next.js, 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 hash table and edit distance in C++ to efficiently store words, allowing users to read a dictionary file and receive suggestions for misspelled words.
- 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.