

Saad Athar

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[GitHub](#) | [Portfolio](#)

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EDUCATION

National University of Computer and Emerging Sciences (FAST NUCES)
◦ Bachelor's of Sciences in Computer Science; GPA: 3.04
Superior Group of Colleges
◦ Intermediate in Computer Science; Percentile: 78%

August 2021 – June 2025
April 2019 - June 2021

Honors and Awards

International Collegiate Programming Contest
◦ Participated in ICPC 24-25 an annual multi-tiered competitive programming competition.
Battle 1o1 Competition | FAST
◦ Runner up of Inter-Fast Competition competing 100+ other teams.

September 2024
November 2021

SKILLS SUMMARY

- **Languages:** C/C++, C#, Python, SQL, JavaScript, Velo
- **Frameworks:** Flask, React.js, Express.js, Node.js, FAST API, TensorFlow, Pytorch
- **Tools:** Git, Postman, Pandas, Stripe API, ChromaDB, SQLite
- **Platforms:** Ubuntu, MongoDB, MySQL, RAG, Wix Studio

WORK EXPERIENCE

Web Developer | Innovizzle Solutions | Part Time
◦ Worked on Wix Studio and Velo backend using JavaScript to develop dynamic web applications, ensuring responsive design and enhanced user experience.
◦ Developing and maintaining backend systems, integrating seamlessly to deliver scalable web applications.

September 2024 - Present

PROJECTS

Build Buddy | Construction Marketplace | [LINK](#)
◦ Flutter-based marketplace app connecting builders, homeowners, and vendors for streamlined construction and home improvement projects.
◦ Powered by Firebase for authentication, real-time database, cloud storage, and secure communication.
◦ Features include project listings, vendor discovery, and collaboration tools for a seamless construction workflow.

August 2024 - June 2025

BounceHouse360 | Rental Service Platform | [LINK](#)
◦ Web app built on Wix Studio with Velo backend, providing a seamless platform for bounce house rentals.
◦ Implemented real-time booking, vendor availability checks, and automated checkout workflows.
◦ Integrated Stripe Payments for secure transactions and smooth customer experience.

October 2024 - Present

Career Connect | Hiring Platform | [LINK](#)
◦ AI-powered job portal built with Vite React frontend and FastAPI backend, designed to streamline hiring and career growth.
◦ Implemented NLP and ML models to deliver personalized job recommendations and efficient candidate matching.
◦ Leveraged SQLite with vector embeddings for intelligent search and retrieval of opportunities.
◦ Enabled an end-to-end intelligent recruitment workflow by integrating scalable data pipelines, semantic search, and adaptive matching for both employers and job seeker sponse times.

August 2024 - January 2025

Clinical RAG System | [LINK](#)
◦ Built an AI-driven clinical assistant using RAG over the MIMIC-IV-Ext dataset, delivering accurate, context-aware medical.
◦ Integrated voice-to-voice interaction with speech recognition, translation, and TTS for a personalized, multilingual chatbot.
◦ Developed a secure backend with FastAPI and Hugging Face Transformers, ensuring compliance with healthcare standards.

Dec 2024- March 2025

Academic Experience

Teaching Assistant (TA)
◦ Provided academic support in Programming Fundamentals, OOP, Data Structures, Software Engineering, and Computer Networks, assisting 600+ students and 10+ faculty members.

August 2022 - June 2025

Volunteer Experience

FCAP (FAST Club of App Development & Programming)
◦ Admin Head of Society (Led around 100+ students)

March 2023 - June 2025

DAIRA 22, 23, 24, Convocation 24, ICIT 22, 23, 24
◦ Actively participated in the management and organization of the above events, ensuring seamless execution through effective planning, coordination, and leadership.

2022 - 2025