

Hannan Fareed

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SUMMARY

Proactive Computer Science graduate with hands-on experience in software development, full-stack engineering, and system design. Proven ability to solve problems, adapt to new technologies, and thrive in dynamic environments. Passionate about learning and applying technical skills to deliver practical, impactful solutions.

EDUCATION

- **FAST - National University of Computer and Emerging Sciences** 2021 - 2025
Bachelor of Computer Science
 - **GPA:** 2.96/4.00
 - **Coursework:** Artificial Intelligence, Data Science, Natural Language Processing, Web Programming, Software Design and Analysis and Advanced Database

EXPERIENCE

- **Software Engineering Intern** May 2023 - August 2023
PHP, JavaScript, WordPress
 - Built dynamic web applications using PHP and MySQL with emphasis on backend functionality and database management.
 - Developed responsive websites using HTML, CSS, Bootstrap, jQuery, and JavaScript to enhance user experience.
 - Acquired essential skills to build, manage, and deploy user-friendly websites from front to back end.

PROJECTS

- **Final Year Project - Virtuel Elegance** August 2024 - May 2025
Python, OpenCV, MediaPipe, OpenPose, ReactJS, React Native, NodeJS and Firebase
 - Engineered a mobile and web app using React Native and the FERN stack, enabling users to virtually try on outfits based on real-time body data.
 - Integrated pose estimation through OpenCV and MediaPipe to extract accurate measurements from live camera input.
 - Implemented 3D clothing visualization using Unity, mapping garments onto a generated body model for a realistic virtual try-on experience.
- **Chatbot for Healthcare Queries** January 2025 - May 2025
Python, spaCY, NLTK, Flask and React
 - Designed and implemented an advanced NLP-based chatbot utilizing Retrieval-Augmented Generation (RAG) to deliver precise and trustworthy medical responses.
 - Seamlessly integrated document retrieval with context-aware generation, ensuring highly accurate and contextually relevant healthcare guidance for users.
- **GameBaazi | Online Game Store** January 2024 - May 2024
ReactJS, MongoDB, ExpressJS and NodeJS
 - Built a full-stack MERN platform for digital game and accessory sales with secure transactions and personalized user dashboards.
 - Integrated real-time order tracking and seamless delivery system for both digital downloads and physical products.
- **Cricket Bazaar: Cricket Analytics Platform** September 2023 - January 2024
Python, HTML, CSS, and Bootstrap
 - Developed predictive models using regression and classification to estimate IPL auction prices based on historical player data.
 - Integrated the models into a responsive web app for interactive visualization and exploration of player insights and auction trends.
- **Bijlee Sense | Energy Consumption Analysis** August 2022 - December 2022
Python, HTML, CSS
 - Engineered a predictive energy management system using Linear Regression and Neural Networks to forecast energy consumption and drive efficiency improvements..
 - Applied data preprocessing, clustering techniques, and interactive visualizations to optimize energy usage insights and support data-driven decision-making.