

Hamza Jadoon

Computer Engineering Student

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PROFILE

Computer Engineering student with strong interest in Generative AI, focusing on LLM integration, intelligent agents, and real-world AI applications. Hands-on experience with machine learning, NLP, and full-stack development. Passionate about building scalable, practical solutions and continuously upskilling through projects and internships.

EDUCATION

BS Computer Engineering COMSATS University Islamabad, Abbottabad CGPA: 3.06 / 4.00	2022 – 2026
Intermediate (Pre-Engineering) Progressive School & College, Abbottabad	2017 – 2022

EXPERIENCE

Front-End Development Intern – CodeAlpha <ul style="list-style-type: none">Designed and developed a professional personal portfolio website.Implemented responsive UI using HTML, CSS, and JavaScript.Built an image gallery to improve layout and UI consistency.	Jan 2026 – Present
Machine Learning Intern – Future Interns <ul style="list-style-type: none">Developed a sales forecasting model for 6-month predictions.Built NLP-based support ticket classification system.Created resume screening system using text processing.	Jan 2026 – Present

PROJECTS

GenAI-Based Shariah-Compliant Stock Trade Advisor (FYP)

Python, LLMs, Streamlit, Groq, Gemini

- Developed a web-based AI stock advisor for Pakistan Stock Exchange.
- Fetches live PSX stock data using APIs and analyzed future potential.
- Provided 1-month investment recommendations using GenAI models.

Industrial Product Inspection System

Python, SVM, Streamlit

- Built an automated defect detection system using 6,000 training images (~80% accuracy).
- Enabled model retraining via Streamlit interface.

Document Clustering

Python, TF-IDF, PCA, K-Means

- Performed unsupervised document clustering on multi-class text data.
- Applied TF-IDF and PCA for feature extraction and dimensionality reduction.

Sales Forecasting System

Python, Linear Regression, Matplotlib

- Forecasted future sales using regression and time-based features.
- Data cleaning and feature engineering for improved performance.

Pet Zone Website

HTML, CSS, JavaScript, PHP, MySQL

- Developed a full-stack pet buying and food ordering platform.

Personal Portfolio Website

HTML, CSS, JavaScript

- Designed a responsive portfolio showcasing ML and web projects.

TECHNICAL SKILLS

Python NLP HTML C Machine Learning LLMs Generative AI Streamlit CSS JavaScript C++ MySQL