

UROOJ FATIMA

Software Developer | ML & AI Engineer

B.E. Electrical Engineering — NUST (2029)

🇵🇰 Pakistan

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PROFESSIONAL SUMMARY

Motivated Electrical Engineering student at NUST with hands-on experience in Machine Learning, Generative AI, Computer Vision, and full-stack web development. Passionate about building intelligent systems and AI-powered applications. Strong communicator with proven ability to deliver end-to-end software projects — from data pipelines to deployed web apps.

TECHNICAL SKILLS

Languages	Python, C++
AI / ML	Machine Learning, Deep Learning, Computer Vision, NLP, Generative AI, RAG
Libraries	Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, TensorFlow / Keras, OpenCV
Web & Apps	Streamlit, Netlify, REST APIs
Tools	Git, GitHub, VS Code, AutoCAD, LTSpice, Proteus
Soft Skills	Communication, Presentation, Data Storytelling, Team Collaboration

PROJECTS

DiabetesCare AI — Web App

2024–2025

Streamlit · Python · ML · Deployed: your-health-assistent-c5bgjgdd7xtabmvozv3qxt.streamlit.app

- Built a full-stack AI health assistant where users input lab values or paste reports and receive diabetes risk predictions.
- Integrated a Logistic Regression model with full preprocessing pipeline — EDA, feature engineering, and model evaluation.
- Deployed as a live public web app on Streamlit with bilingual UI support (English/Urdu).

DocMind AI — RAG Chatbot

2024–2025

RAG · Generative AI · NLP · Deployed: docmindaichatbot.netlify.app

- Developed a Retrieval-Augmented Generation (RAG) chatbot that answers questions from uploaded documents.
- Built end-to-end NLP pipeline including document ingestion, chunking, embedding, and LLM-based response generation.
- Deployed on Netlify; accessible as a live product.

Weapon Detection System

2024

Computer Vision · Deep Learning · Object Detection

- Trained a real-time weapon detection model using deep learning and computer vision techniques.
- Applied image preprocessing, model fine-tuning, and evaluation on custom datasets.

Customer Churn Prediction

2024

Python · Scikit-learn · Classification

- Built a classification model to predict customer churn using feature selection and ensemble methods.
- Achieved high accuracy through hyperparameter tuning and cross-validation.

Movie Recommendation System

2024

Python · Collaborative Filtering · NLP

- Developed a content-based and collaborative filtering recommendation engine.
- Applied NLP techniques for review analysis and sentiment-driven recommendations.

Student Performance Prediction

2024

Python · Regression · Data Analysis

- Built regression models to analyze academic performance factors with full EDA pipeline.
- Performed data cleaning, visualization, and pattern identification across multiple features.

EDUCATION

Bachelor of Engineering — Electrical Engineering

Expected 2029

National University of Sciences and Technology (NUST), Pakistan

- Relevant Coursework: Programming, Data Analysis, Machine Learning, Circuit Analysis, Hardware Design
- Active member of SCBS society — Secretary Marketing (2026–27)

ADDITIONAL INFORMATION

- Spoken Languages: English (Professional), Urdu (Native)
- Strong data visualization and analytics skills applicable to real-world product development.
- Live deployed projects demonstrate end-to-end development capability beyond academic work.