

Muhammad Aaqib Shaikh

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PROFESSIONAL SUMMARY

Computer Science graduate with hands-on expertise in full-stack development and machine learning. Built 6+ end-to-end applications including an AI deepfake detection system and a healthcare prediction platform. Proficient in Python, TypeScript, React, Django, and deep learning frameworks. Seeking a software engineering role to apply strong problem-solving skills in building scalable, real-world solutions.

EDUCATION

Bachelor of Science in Computer Science

Jan 2022 – Feb 2026

Iqra University, Main Campus

Karachi, Pakistan

CGPA: 3.3 / 4.0

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Database Systems, Software Engineering, Parallel & Distributed Computing.
- Final Year Project: DeepSafe, an AI-Powered Deepfake Detection System using XceptionNet and AASIST deep learning models for video and audio manipulation detection.

Intermediate (Pre-Engineering)

2019 – 2021

College of Excellence

Hyderabad, Pakistan

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, C++, SQL, Dart

Frameworks / Libraries: React, Node.js, NestJS, Django, Flask, FastAPI, TensorFlow, Keras, PyTorch, Scikit-learn, Hugging Face Transformers, Pandas, NumPy

Tools: Git, GitHub, Docker, Vite, Postman, Jupyter Notebook, VS Code, Linux

Databases: PostgreSQL, MySQL, MongoDB, SQLite

Other Technologies: REST APIs, WebRTC, WebSockets, Socket.io, NLP, Computer Vision, CI/CD, Agile/Scrum

PROJECTS

DeepSafe: AI Deepfake Detection System

React, TypeScript, Django, TensorFlow, PyTorch

github.com/AaqibShaikh10/DeepSafe

- Built a full-stack web application for detecting deepfake content in video and audio files using XceptionNet CNN and AASIST graph attention network models.
- Implemented a video detection pipeline with OpenCV frame extraction, Haar Cascade face detection, image hashing for duplicate removal, and majority-voting classification.
- Developed Django REST API with user authentication, detection history tracking, admin dashboard, and CSV export functionality.

Heart Disease Prediction and Analysis

Python, FastAPI, React, Scikit-learn, Pandas

github.com/AaqibShaikh10/Heart-Disease-Prediction-And-Analysis

- Developed an ML application predicting heart disease risk from 11 clinical features, achieving 89% accuracy using Random Forest with GridSearchCV hyperparameter tuning.
- Compared 5 classification algorithms with stratified K-fold cross-validation and automated data pre-processing including duplicate removal, median imputation, and feature scaling.

- Built a FastAPI backend and React front-end with interactive prediction form and 8+ visualization charts (ROC curves, confusion matrix, feature importance).

Multilingual News Analysis Platform *Python, Flask, Hugging Face Transformers, BeautifulSoup*
github.com/AaqibShaikh10/multilingual-news-platform

- Developed an NLP platform supporting language detection, abstractive summarization, and sentiment analysis for 10+ languages including Arabic, Hindi, Urdu, and Chinese.
- Implemented multi-model selection pipeline with automatic GPU detection, processing text, URLs, PDFs, and RSS feeds through a unified web interface.

WebAirDrop: Peer-to-Peer File Sharing *JavaScript, WebRTC, Socket.io, Node.js, Vite*
github.com/AaqibShaikh10/WebAirDrop

- Created a browser-based P2P file transfer tool using WebRTC, enabling direct device-to-device sharing with no file size limits and zero server storage.
- Implemented smart queue system for concurrent transfers with cross-platform support across Windows, macOS, Android, and iOS.

RAG Chatbot: Document Q&A System *Python, LangChain, FAISS, Hugging Face*
github.com/AaqibShaikh10/rag-chatbot

- Built a Retrieval-Augmented Generation chatbot for context-aware document Q&A using vector embeddings and semantic search.
- Implemented document chunking, FAISS vector indexing, and conversational retrieval chain with source attribution.

CERTIFICATIONS

Full Stack Development Bootcamp *LastMile, Iqra University*
 Developed web applications using React and NestJS.

Data Analyst *Techma Zone*
 Completed hands-on projects analyzing business datasets to deliver actionable insights.

Flutter & Dart: Complete iOS and Android App Development *Udemy*
 Built cross-platform mobile applications using Flutter and Dart with state management and native device features.