

Danial Wajahat

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CAREER OBJECTIVE

Motivated Computer Science graduate aiming to contribute to a dynamic, growth-oriented organization. Passionate about full-stack development, ML integration, and cross-functional collaboration, with a focus on continuous learning, performance, and impactful contributions.

EXPERIENCE

Web Developer Internee

Insaafdar Law Firm

Jul 2024 – Oct 2024

Islamabad, Pakistan

- Designed and deployed an e-notarization system to digitize legal documentation workflows.
- Built the solution using Google Sites and Apps Script for automated document handling.
- Streamlined legal processes, enhancing accessibility and overall user experience.

Freelance Software Developer

Remote

Apr 2024 – Present

Pakistan

- **JhelumNews.pk:** Built a dynamic news website using HTML, CSS, Bootstrap, Node.js, Express.js, MongoDB, and EJS.
- **MyEyes (Flutter App):** Developed an accessibility app with object detection, text-to-speech (TTS), and speech-to-text (STT) for the visually impaired.
- **Next NR-GIE Platform:** Created a full-stack business management system to handle contracts, employees, and invoices using React, Node.js, Express, and MongoDB.
- Delivered end-to-end solutions including UI/UX design, backend development, and deployment for multiple clients.

EDUCATION

Bahria University

Bachelor of Science in Computer Science (BSCS)

CGPA: 3.55 / 4.00

Islamabad

Oct 2021 – July 2025

Relevant Courses: **Core CS:** Data Structures and Algorithms, Design and Analysis of Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Assembly Language; **Web & Backend:** Web Engineering, Database Management Systems; **AI & Data Science:** Introduction to Data Science, Digital Image Processing, Information Security, Parallel and Distributed Systems

PROJECTS

High-Resolution Image Enhancement (Final Year Project)

- Built a full-stack AI-powered web app for image super-resolution using FSRCNN and ESRGAN
- Custom-trained models on DIV2K, Set5, and Set14 datasets for ×2, ×3, and ×4 upscaling
- Developed a FastAPI backend for secure image upload, enhancement pipeline, and database storage
- Designed a responsive React frontend with real-time preview, user authentication, and live chat support

Tools and Technologies: Python, PyTorch, TensorFlow, OpenCV, FastAPI, React, SQLite, HTML/CSS, JavaScript

Other Projects:

E-commerce Web App: MERN-stack website with user login, product CRUD, and Stripe integration.

Chat App using Node.js: Real-time chat app using Node.js, Socket.IO, and MongoDB with chat history.

Brain Tumor Classifier: CNN-based MRI classifier (VGG16/ResNet) achieving 92% accuracy on 3,000+ scans.

Facial Emotion Recognition: Custom CNN with attention mechanism classifying 7 emotions from FER2013.

Healthcare NLP Chatbot: BERT-powered chatbot for medical queries with context awareness and 92

Patient Management App (Flutter): Flutter app with CSV import/export, SQLite storage, and patient search.

Expense Tracker (Flutter): Cross-platform app for tracking expenses with filtering, charts, and local storage.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Dart, C++, HTML5, CSS3

Frameworks & Libraries: React, Node.js, Express.js, Flutter, TensorFlow, PyTorch, OpenCV, FastAPI, Flask, Hugging Face Transformers, NLTK, SpaCy, Scikit-learn

AI & NLP Skills: Natural Language Processing, Computer Vision, Deep Learning, Model Fine-tuning, Transfer Learning, Text Classification, Named Entity Recognition (NER), Sentiment Analysis, Text Summarization

Tools & Platforms: Git, GitHub, Firebase, SQLite, MongoDB, PostgreSQL, Google Colab, VS Code, Android Studio, Jupyter Notebook

HONORS & AWARDS

- Awarded a medal in the Design and Analysis of Algorithms course for creating a game using algorithmic techniques
- Achieved a perfect 4.00 / 4.00 GPA in the 8th semester
- Secured an A grade in Final Year Project (AI-based Image Enhancement Web App)

CERTIFICATIONS

- The Complete 2025 Web Development Bootcamp – Udemy – Dr. Angela Yu
- Google Data Analytics Professional Certificate – Coursera – Google
- Flutter & Dart – The Complete Guide [2024 Edition] – Udemy – Maximilian Schwarzmüller