

Iqra Azam

Computer Science | Software Development Enthusiast | Full Stack Developer | AI Solution Expert

CONTACT

Punjab, Lahore 03350642172 azamiqra178@gmail.com Github-<https://github.com/iqraazam>

LinkedIn-www.linkedin.com/in/iqraa-aazam

Education

FAST NUCES, Lahore BS Computer Sciences

Language

English Urdu

Experience

- **App development**– Developed cross-platform mobile applications using **Flutter and Dart**, integrating **Firebase** for real-time data and authentication. Responsive **UIs**, seamless navigation, and secure backend connectivity.
- **AI/ML** – Built and trained machine learning models **using Python, TensorFlow, and Scikit-learn** for classification tasks. predictive analytics, improving model accuracy through hyperparameter tuning.
- **Game Development** – Collaborated with a team to design and code game mechanics in **Unity** using **C#**.
- **Web Dev Internship** – Developed and optimized responsive web pages using **HTML, CSS, and JavaScript** Improved website loading speed by 25% and fixed critical front-end bugs

Key Skills

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|---------------------|----------------------------|---------------------|
| • JavaScript (ES6+) | • Android Studio | • NumPy, Pandas |
| • Polymer.js | • Flutter & Dart | • TensorFlow, Keras |
| • HTML5 | • React | • Angular |
| • CSS3 | • Nest.js | • TypeScript |
| • RESTful APIs | • Libraries – | • Figma |
| • Node.js | • Generative AI | • Canva |
| • Python | • Applied Machine Learning | • .NET |
| • Machine Learning | • Computer Vision | |

Projects

- **Website Portfolio Project** – Built a personal portfolio website using React, CSS, and JavaScript to showcase projects and skills.
- **E-Hospital Android App** – Developed a hospital management app using Firebase, Flutter, and Dart for managing hospital-related details on mobile devices.
- **Online Job Portal** – .NET backend and Next.js frontend for an online job portal with RESTful APIs, focusing on efficient job searching and user management.
- **Social Media Platform** – Built a real-time social networking site using MongoDB, Express.js, React, and Node.js (MERN) with features like user profiles, posts, and messaging.
- **Diabetes Prediction** – Built an AI/ML model using Python (ANN and CNN) for early detection of diabetes.
- **Perceptron Learning (AML Project)** – Implemented forward and backward pass of single-layer perceptron in Python. Trained with gradient descent and evaluated with various optimizers (SGD, Adam), analyzing convergence and performance on binary classification.
- **Restaurant Management Website** – Designed a dynamic restaurant management system using HTML, CSS, JavaScript, and database systems.
- **Face Spoof Detection with Generative AI** – Built a spoof detection system using Vision Transformer (ViT), data augmentation, and Contrastive Image Pretraining (CIP) to distinguish real vs spoofed facial inputs.
- **FYP – DermaDiagnostics: AI-Powered Skin Disease Classifier** – Designed and developed a deep learning pipeline for skin disease diagnosis using CNN architectures on dermatology image datasets, enabling early detection and classification.