

## IQRA AZAM

### Full Stack Developer | AI/ML Engineer | Software Development Expert

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## ABOUT ME

Computer Science graduate with 3+ years of experience in full-stack development, AI/ML solutions, and mobile app development. Proven track record of building scalable applications using modern technologies like React, Node.js, Flutter, and Python. Learning and developing AI powered solutions with expertise in deep learning, computer vision, and generative AI. Seeking opportunities to contribute to projects at technology companies.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript (ES6+), TypeScript, C#, Dart, HTML5, CSS3

**Frontend Technologies:** React, Next.js, Angular, Polymer.js, Flutter, Responsive Web Design

**Backend Technologies:** Node.js, Nest.js, .NET, Express.js, RESTful APIs

**AI/ML Technologies:** TensorFlow, Keras, Scikit-learn, PyTorch, Computer Vision, Generative AI

**Mobile Development:** Flutter, Dart, Android Studio, Cross-platform Development

**Databases:** MongoDB, Firebase, Supabase, SQL

**Data Science:** NumPy, Pandas, Data Analysis, Predictive Analytics

**Tools & Platforms:** Git, Figma, Canva, Unity, Firebase Authentication

**Methodologies:** Agile Development, Model Optimization, Hyperparameter Tuning

## EDUCATION

### Bachelor of Science in Computer Science

FAST National University of Computer and Emerging Sciences (NUCES), Lahore

**Relevant Coursework:** Data Structures, Algorithms, Machine Learning, Software Engineering, Database Systems, Generative AI, Robotics Fundamentals

## PROFESSIONAL EXPERIENCE

### Full Stack Developer | AI/ML Engineer (Self-Employed/Freelance) 2024

- Developed **10+ cross-platform mobile applications** using **Flutter and Dart** with **Firebase** integration, achieving **99.9% uptime** and seamless user authentication
- Built and deployed machine learning models using **Python, TensorFlow**, and **Scikit-learn** for classification and predictive analytics, improving **model accuracy by 15%** through advanced hyperparameter tuning
- Collaborated in agile teams to design game mechanics in **Unity using C#**, contributing to successful project delivery

### Web Development Intern 2023

- Developed and optimized responsive web applications using **HTML5, CSS3, and JavaScript**
- Improved website loading speed by **25% through code optimization** and performance enhancements
- Resolved critical front-end bugs, enhancing user experience and **reducing bounce rate by 18%**

## PROJECTS

### DermaDiagnostics: AI-Powered Skin Disease Classifier (Final Year Project)

**Technologies:** Python, CNN, Deep Learning, Computer Vision

- Designed and developed a comprehensive deep learning pipeline for automated **skin disease diagnosis**
- Implemented CNN architectures on dermatology image datasets with **92% accuracy**
- Enabled early detection and classification of multiple skin conditions, potentially impacting healthcare outcomes

### Stylique- AI-Powered Styling Platform

**Technologies:** Next.js, Node.js, Supabase, AI Integration

- Built a modern styling platform delivering **personalized outfit recommendations**
- Integrated AI algorithms for real-time style suggestions, increasing user **engagement by 40%**
- Implemented responsive design with seamless user experience across all devices

### Face Spoof Detection System

**Technologies:** Vision Transformer (ViT), Generative AI, Python

- Developed advanced spoof detection system using Vision Transformer and Contrastive Image Pretraining
- Implemented data augmentation techniques to distinguish real vs spoofed facial inputs with **95% accuracy**
- Applied cutting-edge **generative AI techniques** for robust security applications

### Real-Time Social Media Platform

**Technologies:** MERN Stack (MongoDB, Express.js, React, Node.js)

- Built comprehensive social networking platform supporting **1000+ concurrent users**
- Implemented real-time messaging, user profiles, and dynamic post feeds
- Optimized database queries resulting in **30% faster** load times

### E-Hospital Management System

**Technologies:** Flutter, Dart, Firebase

- Developed comprehensive hospital management mobile **application for Android/iOS**
- Integrated real-time data synchronization and secure authentication
- Streamlined hospital operations with intuitive **UI/UX design**

### Enterprise Job Portal

**Technologies:** .NET, Next.js, RESTful APIs

- Built scalable job portal with advanced search and filtering capabilities
- Implemented efficient user management system and application tracking
- Developed robust backend **API handling 10,000+ daily requests**

### Diabetes Prediction Model

**Technologies:** Python, ANN, CNN, Machine Learning

- Developed AI model for early diabetes detection with **88% prediction accuracy**
- Implemented both **Artificial Neural Networks** and **Convolutional Neural Networks**
- Contributed to preventive healthcare through predictive analytics

## ACHIEVEMENTS & CERTIFICATIONS

- <https://www.udemy.com/certificate/UC-406f2de3-4673-426e-a1f7-81fc4e8f7128/>
- <https://learn.microsoft.com/en-us/users/igraazam-5544/achievements/9xr3xbxu?ref=https%3A%2F%2Fwww.linkedin.com%2F>
- <https://learn.microsoft.com/en-us/users/igraazam-5544/achievements/xmfszqry?ref=https%3A%2F%2Fwww.linkedin.com%2F>

*Available for immediate start Open to remote, hybrid, or on-site opportunities*