

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/iqraazam-5544/achievements/9xr3xbxu?ref=https%3A%2F%2Fwww.linkedin.com%2F>
- <https://learn.microsoft.com/en-us/users/iqraazam-5544/achievements/xmfszqry?ref=https%3A%2F%2Fwww.linkedin.com%2F>

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

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