Fazal Bhatti

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Overview

I am an AI Solutions Architect specializing in applied machine learning, system design, and research-driven innovation. I bridge the gap between experimental research and real-world applications, transforming ideas into scalable, impactful systems. Motivated by curiosity and problem-solving, I thrive in collaborative environments where analytical rigor and creativity combine to push boundaries, expand possibilities, and deliver meaningful, forward-looking technologies.

Skills

AI Tools: Cursor, Claude, ChatGPT, V0, Bolt, Lovable, Midjourney, Kling, DALL-E
Languages & Frameworks: Python, Java, C, JavaScript, SQL, React, Angular, Node.js, Swift
Cloud & DevOps Tools: AWS, Azure, Docker, Kubernetes, Git, Jira, Prometheus, Terraform

Work Experience

Innovate Dynamic   Feb 2024-Present
AI Solutions Architect

- Architected and scaled AI/ML systems from research prototypes to production, delivering enterprise-ready applications on AWS with Docker/Kubernetes.
- Built immersive ARKit/RealityKit solutions (body tracking, plane detection, occlusion) for retail and real estate, driving 40%+ higher client engagement
- Designed recommendation engines using Transformers and scikit-learn to personalize cross-domain experiences (fashion, furniture, lifestyle).
- Implemented computer vision pipelines for style detection, visual embeddings, and object recognition, powering swipe-based discovery platforms.
- Led cross-functional teams and mentored engineers, aligning product, design, and technical execution to deliver innovative, ROI-driven AI/AR solutions

Projects

Full-Stack Health Optimization App

- Built AI dashboard aggregating wearable, clinical, and lifestyle data to forecast disease risks.
- Delivered interactive percentile benchmarks, personalized risk profiles, and secure, HIPAA-compliant recommendations.

AI Lifestyle & Aesthetic Recommended

- Developed mobile-first AI app unifying fashion and interior design preferences.
- Combined vision models, recommendation embeddings, and ARKit/ARCore for real-time try-ons and room visualization.

AI Corporate Training Assistant

- Designed AI-powered assistant with chatbot, skill tracking, and gamified learning.
- Reduced onboarding costs and boosted productivity with personalized learning forecasts.

Advanced AI Education System

- Created adaptive flashcard platform with spaced repetition and AI-generated content
- Supported multimedia learning, mnemonics, and Anki deck imports for long-term retention.

Clinical Trial Intelligence Platform

- Built AI system to forecast enrollment, detect dropout risks, and parse trial protocols with BioBERT.
- Delivered predictive dashboards and cohort analysis for multi-site clinical trial management.

Certifications(In Progress)

- CompTIA Security+, AWS Solution Architect, AWS ML Specialty