

Mohammed Ali

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SUMMARY

CS graduate with hands-on experience in AI/ML engineering, computer vision, and full-stack development from training and deploying deep learning models (YOLOv11 via Ultralytics at 99.5% accuracy) to building and shipping full-stack web and mobile applications. Microsoft Azure certified (AZ-900, AI-900) with exposure across the full development lifecycle.

EDUCATION

International Islamic University Islamabad

Bachelor of Science in Computer Science | CGPA: 3.66 / 4.00

Islamabad, Pakistan

Sep. 2021 – Aug. 2025

EXPERIENCE

AI Intern

InnoTech Solutions Pvt Ltd

Nov. 2025 – Present

Rawalpindi, Pakistan

- Configured AnythingLLM as a conversational AI interface connected to an external knowledge base, allowing the LLM to query and retrieve information directly from the database and return context-aware responses.

Remote IT Intern

Carecloud MTBC

Jun. 2025 – Present

Bagh, Pakistan

- Carried out R&D on an Arabic pronunciation assessment system for Noorani Qaida learners, evaluating forced alignment approaches and GOP scoring algorithms and fine-tuning a wav2vec2 model on the Arabic Speech Corpus the implemented system achieved **87% phoneme-level accuracy**, 2% above the 85% target benchmark.

DevOps Engineering Apprentice

Hazza Institute of Technology

July. 2025 – Sep. 2025

Islamabad, Pakistan

- Containerized a web application using Docker, configured Docker Compose to manage the local application stack, pushed versioned images to Docker Hub, and deployed to AWS ECS covering the complete container workflow from local setup to cloud deployment.

Junior Executive

National Database & Registration Authority (NADRA)

May. 2024 – June. 2025

Rawalpindi, Pakistan

- Handled day-to-day processing and verification of citizen identity records in NADRA's national database, working under strict data accuracy requirements and government-mandated confidentiality standards.

PROJECTS

Talent Quotient | MERN, Stream.io, Clerk | [Live](#) | [GitHub](#)

Oct. 2025 – Present

- Real-time collaborative coding platform with 5+ language support, video conferencing via Stream.io, live chat, and multi-user sessions with authentication handled through Clerk.

ThugSlayers Chat App | MERN, Socket.io, Redis | [Live](#) | [GitHub](#)

Aug. 2025 – Oct. 2025

- Full-stack chat app with real-time one-to-one and group messaging via Socket.io; integrated Redis pub/sub to offload repeated database reads and bcrypt + JWT for secure authentication.

GreenSnap AI | React Native Expo, FastAPI, YOLOv11, MobileNetV3 | [Live](#) | [GitHub](#)

Mar. 2025 – Aug. 2025

- Deployed YOLOv11 (**99.5% accuracy**) and MobileNetV3 (92.43%) on a cross-platform React Native Expo app for live waste detection with GPS tagging; served model inference via FastAPI REST endpoints with an OpenStreetMap and Leaflet-integrated admin dashboard.

PUBLICATIONS

AI-Powered Children Professional Clothing Visualization System | [ResearchGate](#), Jan. 2026 – [View Publication](#)

CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals (AI-900), Microsoft (95%) – [Verify](#)

Microsoft Certified: Azure Fundamentals (AZ-900), Microsoft (96%) – [Verify](#)

Generative AI for Everyone, DeepLearning.AI (87%) – [Verify](#)

AI for Everyone, DeepLearning.AI (95%) – [Verify](#)

Introduction to Cybersecurity Tools and Cyberattacks, IBM (95%) – [Verify](#)

TECHNICAL SKILLS

Languages: Python, JavaScript

AI / ML: Deep Learning, Computer Vision, LLMs, RAG, Prompt Engineering, YOLO, Ultralytics, MobileNet, Azure AI Services, OpenCV, Scikit-learn, NumPy, Pandas

Web & Mobile: React.js, React Native, Node.js, Express.js, FastAPI, Socket.io, REST APIs

Cloud & DevOps: AWS (ECS, ECR, IAM), Microsoft Azure, Docker, Git

Databases: MongoDB, Redis