# AHMAD RAZZAQ

MERN STACK | ASSOCIATE SOFTWARE ENGINEER

**Faisalabad, Punjab | 03421299970 | ahmadramay72@gmail.com | LinkedIn | GitHub | Portfolio**

## Objective

Motivated Associate Software Engineer with hands-on experience in **MERN stack**. Skilled in building scalable web applications, real-time communication systems, and AI-powered solutions. Seeking to contribute technical expertise in a collaborative environment while continuing to grow professionally.

## Experience

**MERN Stack Developer at NAXAPE** **Jun 2025 – Present**

- Built a full-stack **Travel & Tourism CMS portal** using the **MERN stack**, enabling management of bookings**,** tours**,** and content with secure CRUD operations and authentication.
- Developed a **Logistics Driver Mobile App** with **React Native**, integrating **Google Directions API** for route optimization and navigation.
- Implemented real-time driver updates including delivery progress and status tracking for improved logistics efficiency.
- Collaborated in Agile sprints, contributing to feature development, bug fixes, and code reviews while using Git/GitHub for version control and team collaboration.

## Personal Projects

**Real-Time Voice & Video Calling App | WebRTC + MERN** Link

- Built a real-time voice & video calling application using **WebRTC** for peer-to-peer communication like WhatsApp.
- Developed Voice and Video call screen, incoming/outgoing call UI, and implemented signaling with Socket.IO.
- Integrated **STUN/TURN** servers to ensure reliable connectivity across NATs and firewalls.
- Ensured low-latency audio streaming and seamless connection handling.

**Computer Vision Object Detection | Android + YOLOv8** Link

- Final Year Project: Developed a mobile app that detects traffic objects in foggy weather using **YOLOv8**.
- Alerts the driver with collision detection in real-time to prevent accidents.
- Technologies: Java, YOLOv8, Flask, OpenCV, Ultralytics.

**Point of Sale (POS) | MERN Stack** Link

- Designed and developed a Point of Sale (POS) system using the MERN stack.
- Implemented features for Product, Supplier and, Customer management, Sales tracking, and Inventory control.
- Integrated secure authentication and role-based access control to manage staff permissions and ensure data integrity.

## Skills & Abilities

- **Languages & Frameworks:** JavaScript, TypeScript, React.js, React Native, Next.js, Node.js, Express.js, MongoDB, MySQL, Python, Java, RESTful APIs, Context APIs.
- **Tools & Technologies:** Git, GitHub, Jira, Postman, Vercel, Faker, WebSockets, Socket.IO, ImageKit, WebRTC, Google Maps Directions API, STUN/TURN Servers, Agile/Scrum.
- **Soft Skills:** Problem Solving, Team Collaboration, Time Management, Communication.

## Education

**National University of Modern Languages (NUML)** **2021 - 2025**
BS Computer Science CGPA 3.35

## Publication

A Deep Learning Based Real-Time Vehicle Detection and Collision Avoidance System for Low-Visibility Foggy Environment

- **2nd Author:** Accepted for presentation at the 4th International Conference on Communication, Computing and Digital Systems (CCODE 2025).
- To be published in **IEEE Xplore** after the conference.