

# MUHAMMAD USMAN

Full-Stack & AI Engineer | .NET · Angular · Machine Learning  
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## PROFESSIONAL SUMMARY

Computer Science undergraduate (AI/DL & Web specialization) with hands-on full-stack development expertise in .NET 9 and Angular 20. Built IntelliFYP, a production-grade, AI-powered FYP lifecycle platform with role-based access for five stakeholder types, Docker containerization, and an integrated AI engine for similarity scoring and skill-gap analysis. Proven track record in freelance delivery, teaching assistance, and competitive programming.

## EDUCATION

**B.S. Computer Science** — Namal University, Mianwali 2022 – Mid 2026  
**Specialization:** Artificial Intelligence / Deep Learning & Web Application Development

## FINAL YEAR PROJECT — INTELLIFYP

**AI-Powered FYP Lifecycle Automation & Archival Platform** | Stack: .NET 9 · Angular 20 · MS SQL Server · Docker

- Role-based, full-stack web platform automating the complete FYP lifecycle — session setup, faculty-project matching, milestone evaluation, and public archival.
- Enforces RBAC across five stakeholder types (Super Admin, Coordinator, Faculty, Student, Evaluator) on an n-tier architecture.
- Integrated AI engine: faculty-project similarity scoring, personalized project recommendations, and skill-gap analysis guiding students toward required expertise.
- Containerized via Docker; enables institutions to manage FYP cycles at scale with transparency and minimal manual overhead.

## PROFESSIONAL EXPERIENCE

**Software Engineering Intern** | Speridian Technologies 2024  

- Applied theoretical concepts to real-world software development projects.
- Collaborated with cross-functional dev teams on implementation and debugging tasks.

**Freelance Full-Stack Developer** | .NET & Angular Ongoing  

- Delivered end-to-end web applications for clients — responsive frontends, RESTful APIs, and database integration.

**Teaching Assistant** | Namal University 2023 – 2024  

- Assisted students in Programming Fundamentals; guided debugging, problem-solving, and assignment review.

**Debate Wing Head** | Namal Literary & Debating Society 2023 – 2025  

- Organized competitive debate events; developed leadership and critical-thinking skills.

## ACADEMIC PROJECTS

**Monkeypox Detection System** · Smart Travel Recorder & Recommendation System · Smart Inventory Management System  
E-commerce Store · OS Concepts Simulation · Distributed Computing System · Babu-Shona Language Interpreter · Merkle Tree Visualization (Cybersecurity)

## TECHNICAL SKILLS

**Languages:** C#, JavaScript, Python, C++, Go

**Frameworks & Libraries:** .NET 9, Angular 20, ML.NET

**Databases:** MS SQL Server, MySQL, MongoDB, Neo4j

**DevOps & Tools:** Docker, Git, GitHub, Visual Studio, VS Code

**AI / ML:** Machine Learning, Deep Learning, NLP, Similarity Scoring, Skill-Gap Analysis

**Core CS:** DSA, OOP, DBMS, Operating Systems, Computer Networks, Digital Image Processing

## CERTIFICATIONS & ACHIEVEMENTS

- The Complete Full-Stack Web Development Bootcamp — Dr. Angela Yu (Udemy)
- SQL Server Tutorial for Beginners — Kudvenkat (Cursa)
- Techverse 2026 Web Development Hackathon — 4th Position
- NUMLogic 2025 Speed Programming · Codex 2024 Speed Programming · Takrar 3.0 Debating Competition