RIZWAN ALEEM TAHHA

SOFTWARE ENGINEER | **FULL-STACK** DEVELOPER | **AI-DRIVEN** Solutions Builder

📞 Phone: **+92 324 8215900** | ✉ E-mail: **tahhaaleem@gmail.com** | 🌐 Portfolio: **Portfolio** | 💻 GitHub: **Github**

PROFESSIONAL SUMMARY

Software Engineering Student with demonstrated expertise in Full-Stack Web Development, AI/ML integration, and scalable system design. I build production-ready applications using modern frameworks, implement robust RESTful APIs, and leverage cloud technologies for optimal performance.

My technical foundation spans the complete development lifecycle—from UI/UX design and responsive frontend development to backend architecture, database optimization, and deployment automation. I have hands-on experience with machine learning models, computer vision using OpenCV, and data pipeline development for business intelligence.

Beyond technical skills, I bring strong project management capabilities, having successfully applied agile methodologies and quality engineering practices in team environments. I excel at translating complex business requirements into efficient technical solutions, ensuring alignment between stakeholder needs and development outcomes.

CORE COMPETENCIES

- Full-Stack Web Development (Frontend & Backend)
- Responsive UI/UX Design & Prototyping
- RESTful API Development & System Integration
- Scalable Backend Architecture & System Design
- Database Design, Optimization & Management
- AI & Machine Learning Integration
- Computer Vision & Image Processing (OpenCV)
- Data Engineering, ETL & Data Pipelines
- Cloud Technologies & Deployment Automation
- Version Control & Collaborative Development (Git/GitHub)
- Agile Methodologies & Quality Engineering
- Project Management & Team Collaboration

EXPERIENCE

AI/ML Engineer (Internship)
DevelopersHub Corporation — Remote
5th February 2026 – Present

Front-end Developer (Internship)
CodeAlpha — Remote
1st September 2024 – 30th September 2024

TECHNICAL SKILLS

Web & Application Development

HTML5 | CSS3 | JavaScript (ES6+) | TypeScript | PHP | ReactJS | React Native | NodeJS | Bootstrap | Tailwind CSS | JQuery

Programming Languages

Python | Java

AI/ ML & Data Science

Numpy | Pandas | Matplotlib | Plotly | Scikit-Learn | TensorFlow | PyTorch | Keras | SciPy | OpenCV | Streamlit

Databases & Data Warehousing

MySQL | Microsoft SQL| Oracle | MongoDB | PostgreSQL

Cloud, DevOps & Deployment

AWS | Azure | Google Cloud | Firebase | Vercel | Docker | Github Actions

Tools, IDEs & Design

Visual Studio Code | Visual Studio | Git | Github | Figma | Adobe Photoshop | Adobe Illustrator | Canva | WordPress | Power BI | Selenium | Apache NetBeans | Cisco Packet Tracer | Microsoft Office | MATLAB

SOFT SKILLS

Problem Solving | Critical Thinking | Teamwork | Creativity | Communication | Negotiation | Project Coordination

PROJECTS

Final Year Project

- IoT Device Security Monitoring and Threat Detection Platform (In-Progress)

Artificial Intelligence/ Machine Learning

- Brain Tumor Detection System (Computer Vision using OpenCV & MATLAB)
- Currency Exchange Prediction System (ML-based time-series forecasting)
- AI Chatbot (NLP-based conversational assistant)
- CheckMy PC (AI-assisted system diagnostics & monitoring tool)

Web Development

- AI-Driven Smart CRM (React-based CRM with AI integration & Dockerized deployment)
- Mobile Store E-Commerce Website (Responsive web application)
- Shoes E-Commerce Website (Full-stack web app using HTML, CSS, JavaScript, PHP & MySQL)
- MAN Studio Portfolio Website (Personal/brand portfolio site)
- My Portfolio Website (Responsive personal portfolio)

Cybersecurity & Software Testing

- IoT Threat Monitoring Dashboard (Black-box testing & security monitoring)
- Suspicious Login Detector (White-box testing & authentication analysis)

Data Engineering / Systems

- ETL Pipeline (Data warehousing & transformation using MDX)
- Airport Network Topology (Network modeling & system design using Cisco Packet Tracer)

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EDUCATION

Bachelor of Science in Software Engineering
UIT University — Karachi, Pakistan
Sep 2022 – Present

CERTIFICATIONS

Fundamentals of Machine Learning & Artificial Intelligence | AWS Training & Certification — March 2024

WordPress | DigiSkills Training Program — June 2023

Freelancing | DigiSkills Training Program — February 2023

LANGUAGES

English (Proficient)

Urdu (Native)