ADEEL ALI YOUSAF

Sialkot, Pakistan | +92 347 3469266 | adeelaliyousaf.dev@gmail.com
https://linkedin.com/in/adeelaliyousaf | https://github.com/AdeelAliYousaf | https://adeelaliyousaf.vercel.app

PROFESSIONAL SUMMARY

Software Engineer and Full-Stack Developer with hands-on experience building scalable web and mobile applications and working with enterprise software systems. Strong foundation in software engineering, problem-solving, databases, and API development, with a focus on building practical, reliable, and user-centered solutions. Experienced in taking software from concept through development, integration, testing, and deployment.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, PHP, C#, SQL
- **Frontend & Mobile Development:** React, Next.js, React Native, Expo, Inertia.js, Progressive Web Apps (PWA)
- **Backend:** Node.js, ASP.NET Core MVC, Laravel Breeze, RESTful API Design, MVC Architecture, Authentication & Authorization
- **Databases:** PostgreSQL, MySQL, MSSQL
- **AI / Machine Learning:** PyTorch, EfficientNet, Convolutional Neural Networks (CNN), Computer Vision, Gradio
- **Cloud / DevOps:** Git, Docker, Oracle Cloud
- **Tools:** Git, Docker, SendGrid, Tkinter, dlib
- **Other:** Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Computer Networks, Cybersecurity, SEO Optimization

PROFESSIONAL EXPERIENCE

Software Developer | Nizam & Sons
6 months | Sialkot, Pakistan

- Developed and maintained the **NRC application** using **.NET** technologies.
- Worked on migrating the application's database from **Microsoft SQL Server to Oracle Database**.
- Analyzed existing SQL Server database structures, queries, and data requirements to support the Oracle migration.
- Adapted application/database interactions to ensure compatibility with the Oracle-based environment.
- Worked with **NetSuite ERP** to receive and process tickets and support the associated business workflows.
- Investigated application and database issues, performed troubleshooting, and contributed to system improvements.

PROJECTS

SmartScan+ — AI-Assisted Health Screening & Consultation Platform | smartscanplus.vercel.app

- Architected and built a full-stack mobile health platform combining a React Native (Expo) app in TypeScript with a Node.js backend and PostgreSQL database.
- Developed computer vision models with PyTorch and EfficientNet for AI-assisted preliminary screening of anemia and skin lesions, framed as a preliminary screening aid rather than a medical diagnosis.
- Built real-time doctor-patient consultation and chat functionality for secure, live communication between patients and healthcare providers.
- Implemented authentication and authorization, secure data handling, automated PDF/report generation, and a Next.js-based admin dashboard for platform management and consultation tracking.

The Smart WebCam | *January 2024*

- Engineered a Python application with a Tkinter GUI and dlib-based face recognition for automated attendance tracking.
- Implemented CSV-based attendance logging, SendGrid email alerts, and support for webcams, IP cameras, and external camera sources.

Additional academic projects include a WEBRTC Project, a Learning Management System (LMS) and a Final Year Project (FYP) Management System. Full details available in portfolio.

EDUCATION

- **Bachelor of Science (BS) in Computer Science** — University of Sialkot (2026)
- **Associate Degree (ADP) in Computer Studies** — University of Sialkot (2024)

CERTIFICATIONS

- Oracle Certified Foundations Associate — Oracle (2025)
- Getting Started with AI on Jetson Nano — NVIDIA (2025)
- Introduction to Cybersecurity — Cisco Networking Academy (2025)
- AI For Everyone — DeepLearning.AI (2024)