Mian Saad Tahir

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Education

University of Engineering and Technology — Lahore, PK
Bachelor of Science in Computer Science — *CGPA: 3.5*

KIPS College — Lahore, PK
Intermediate in Computer Science — *Grade: A+*

Relevant Coursework

- Data Structures
- Database Systems
- Computer Networks
- Artificial Intelligence
- Analysis of Algorithms
- Computer Architecture
- Software Engineering
- Information Security

Experience

Backend Developer Intern — Sep. 2025 – Oct. 2025
Codev Digital — *Remote*

- Developed Pod-Clip Pro, a full-stack Next.js application with JWT authentication and scalable API integrations.
- Implemented secure uploads, optimized processing, and video clipping functionality.

Full-Stack AI Developer Intern — Jul. 2025 – Aug. 2025
Nexium — *Remote*

- Built an AI-powered Recipe Generator web app using Next.js and Tailwind CSS with authentication and responsive UI.
- Integrated Google AI Agent through n8n workflows to generate personalized recipes.
- Implemented Supabase for recipe storage and MongoDB for user preferences, ensuring scalable data management.

Cyber Security Intern — Apr. 2025 – May 2025
Hack Secure — *Remote*

- Performed web app assessments with Nmap, Gobuster, and Wireshark to detect open ports, directories, and traffic.
- Exploited SQL Injection using sqlmap to enumerate databases and extract sensitive content.
- Conducted Cross-Site Scripting (XSS) tests to demonstrate stored and reflected injection attacks.

Projects

Recipe Generator | *Next.js, n8n, Supabase, MongoDB* — 🔗 Live Preview

- Developed an AI-driven web app that generates personalized recipes based on user ingredients and dietary preferences.
- Integrated Gemini AI Agent via n8n workflows for intelligent recipe generation.
- Implemented Supabase for recipe storage and MongoDB for user preferences.
- Built a responsive dashboard with authentication, recipe cards, and generation features using Next.js and Tailwind CSS.

Price My Ride | *Flask, TensorFlow, Scikit-Learn* — 🔗 Source Code

- Created a Flask web app that predicts used car prices with a custom-trained Deep Neural Network.
- Engineered a 3-layer DNN using TensorFlow and Keras with One-Hot Encoding, achieving accurate regression results.
- Authored an IEEE-style research paper detailing methodology, experiments, and evaluation.

LabSync AI | *Next.js, Node.js, MongoDB, Socket.io* — 🔗 Source Code

- Developed an AI-powered system that extracts project requirements from Telegram messages.
- Automatically generates optimized budgets based on extracted requirements.
- Tracks budget allocations in real time via a responsive dashboard.

Technical Skills

Frontend: JavaScript, React, Next.js, Tailwind CSS
Backend: Node.js, Express, Python, C#, PHP, Flask
AI Libraries: TensorFlow, Keras, Scikit-learn, Pandas, NumPy
Databases: MySQL, MongoDB, SQLite, MSSQL
Tools: Git, VS Code, Google Colab, Postman, Supabase
Collaboration: GitHub, Trello, Notion, Slack

Extracurricular

Participant — Nov. 2023
Codex 2.0 — *UET Lahore*

- Solved 2 of 3 problems in a team-based coding competition organized by the Software Square Society.