

MIAN SAAD TAHIR

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Education

University of Engineering and Technology, Lahore

Bachelor of Science in Computer Science

Sep. 2023 – May 2027

CGPA: 3.5

KIPS College, Lahore

Intermediate in Computer Science

Nov. 2021 – May 2023

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

Codev Digital

Sep. 2025 – Oct. 2025

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

Nexium

Jul. 2025 – Aug. 2025

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

Hack Secure

Apr. 2025 – May 2025

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.

Threat Guard | *Python, Flask, SQLite*

🔗 Source Code

- Built a web app to scan URLs, files, and QR codes for malware using the VirusTotal API and jsQR.
- Integrated HaveIBeenPwned API to detect email and password breaches.
- Implemented authentication with hashed passwords and managed data using SQLite.

Technical Skills

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

Frameworks: Next.js, Flask

Libraries: React, Tailwind CSS, TensorFlow, Scikit-learn, Pandas, NumPy

Databases: MySQL, SQLite, MSSQL, MongoDB

Developer Tools: Git, VS Code, Google Colab, Postman, Supabase

Collaboration Tools: GitHub, Trello, Notion, Slack

Extracurricular

Participant

Codex 2.0

Nov. 2023

UET Lahore

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