

# MIAN SAAD TAHIR

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## Education

### University of Engineering and Technology

Bachelor of Science in Computer Science

Lahore, PK

CGPA: 3.5

### KIPS College

Intermediate in Computer Science

Lahore, PK

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.