

MIAN SAAD TAHIR

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Education

University of Engineering and Technology, Lahore <i>Bachelor of Science in Computer Science</i>	Sep. 2023 – May 2027
	CGPA: 3.5

KIPS College, Lahore <i>Intermediate in Computer Science</i>	Nov. 2021 – May 2023
	Grade: A+

Relevant Coursework

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

Experience

Backend Developer Intern <i>Codev Digital</i>	Sep. 2025 – Oct. 2025
• Developed Pod-Clip Pro, a full-stack Next.js application with JWT authentication and scalable API integrations.	Remote
• Implemented secure uploads, optimized processing, and video clipping functionality.	
Full-Stack AI Developer Intern <i>Nexium</i>	Jul. 2025 – Aug. 2025
• Built an AI-powered Recipe Generator web app using Next.js and Tailwind CSS with authentication and responsive UI.	Remote
• 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 <i>Hack Secure</i>	Apr. 2025 – May 2025
• Performed web app assessments with Nmap, Gobuster, and Wireshark to detect open ports, directories, and traffic.	Remote
• 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 <i>Next.js, n8n, Supabase, MongoDB</i>	 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 <i>Flask, TensorFlow, Scikit-Learn</i>	 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 <i>Python, Flask, SQLite</i>	 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, Linux

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.