

# MIAN SAAD TAHIR

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## Education

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

  

<b>KIPS College, Lahore</b> <i>Intermediate in Computer Science</i>	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

<b>Backend Developer Intern</b> <i>Codev Digital</i>	Sep. 2025 – Present
	Remote
• Developing Pod-Clip Pro, a full-stack Next.js application with JWT authentication and scalable API integrations.	
• Implementing secure uploads, optimized processing, and video clipping functionality.	
<b>Full-Stack AI Developer Intern</b> <i>Nexium</i>	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.	
<b>Cyber Security Intern</b> <i>Hack Secure</i>	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

<b>Recipe Generator</b>   <i>Next.js, n8n, Supabase, MongoDB</i>	 <a href="#">Live Preview</a>
• 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.	
<b>Price My Ride</b>   <i>Flask, TensorFlow, Scikit-Learn</i>	 <a href="#">Source Code</a>
• 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.	
<b>Threat Guard</b>   <i>Python, Flask, SQLite</i>	 <a href="#">Source Code</a>
• 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.