

MIAN SAAD TAHIR

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Education

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

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| KIPS College, Lahore <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

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| Full-Stack Developer Intern <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. | |
| • Building a video clipping and sharing platform with secure file uploads, optimized processing, and responsive UI. | |
| Full-Stack AI Developer Intern <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. | |
| Cyber Security Intern <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

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| Recipe Generator <i>Next.js, n8n, Supabase, MongoDB</i> |  Live Preview |
| • Developed an AI-driven web app that generated 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 predicted 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, SQL Server, MongoDB

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

Extracurricular

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| Codex 2.0 <i>Coding Competition Participant</i> | Nov. 2023 |
| | UET Lahore |
| • Solved 2 out of 3 problems in a time-constrained, team-based coding competition organized by the Software Square Society. | |