

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
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
- Algorithms Analysis
- Computer Architecture
- Software Engineering
- Information Security

Experience

Hack Secure <i>Cyber Security Intern</i>	Apr. 2025 – May 2025
<ul style="list-style-type: none">• Performed comprehensive web application assessments using Nmap, Gobuster, and Wireshark to identify open ports, misconfigured directories, and insecure data transmission.• Exploited critical vulnerabilities including SQL Injection with sqlmap to enumerate databases and dump sensitive data, and XSS to demonstrate stored and reflected script injection.	Remote

Projects

Price My Ride – <i>Used car price estimator</i> Flask, TensorFlow, Keras, Scikit-Learn	Source Code
<ul style="list-style-type: none">• Developed a Flask web app that predicts used car prices using a custom-trained Deep Neural Network (DNN) model.• Built a 3-layer DNN using TensorFlow and Keras with One-Hot Encoding and visualized key regression metrics.• Prepared an IEEE-format research paper detailing the project's methodology, experiments, evaluation, and results.	
Threat Guard – <i>Cybersecurity web app</i> Flask, Python, SQLite, REST API	Source Code
<ul style="list-style-type: none">• Built a Flask app to scan URLs, files, and QR codes for malware using VirusTotal API and jsQR.• Integrated breach detection through the HaveIBeenPwned API to check if emails or passwords have been compromised.• Implemented user authentication with hashed passwords and managed data using SQLite databases.	
Nike Store – <i>Inventory management system</i> C#, Windows Forms, MSSQL	Source Code
<ul style="list-style-type: none">• Developed a Win Forms POS system with SQL database for inventory control and customer order management.• Implemented a modular 3-tier architecture with separate business logic, data access, and UI layers for scalability.• Implemented object-oriented programming practices such as inheritance to create different account types and databases.	
Video Nexus – <i>Video entertainment platform</i> HTML, CSS, JavaScript	Live Preview
<ul style="list-style-type: none">• Built a web video platform that allows users to browse and play content across multiple categories.• Designed a clean, responsive frontend with custom playback controls using vanilla JavaScript.	
Escape Plan – <i>2D GUI shooter game</i> C#, Windows Forms	Source Code
<ul style="list-style-type: none">• Developed a Windows-Forms based tank battlefield game showcasing dynamic movement and firing mechanics.• Designed modular DLL architecture and implemented key OOP principles including Interfaces, Singleton, and Enums.• Built gameplay features like real-time player control, enemy tanks, final boss plane, health system and collisions.	

Technical Skills

Languages: Python, C++, C#, SQL, JavaScript, HTML, CSS

Libraries / Frameworks: TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, Flask, Bootstrap, Tailwind CSS

Developer Tools: Git, VS Code, Jupyter Notebook, Google Colab, LaTeX, Figma, Canva

Databases: MySQL, SQLite, MSSQL, MongoDB

Extracurricular

Codex 2.0 <i>Coding Competition Participant</i>	Nov. 2023
<ul style="list-style-type: none">• Participated in problem-solving rounds hosted by Software Square Society• Successfully solved 2 out of 3 problems in a time-constrained, team-based competition.	UET Lahore