Alwin Shibu

Kochi, Kerala | +91 9037917371 | alwinshibu19@gmail.com | linkedin.com/in/alwinshibu | github.com/alwinshibu

EDUCATION

Rajagiri School of Engineering and Technology   Dec 2020 – May 2024
Bachelor of Technology in Computer Science and Engineering   *Kochi, Kerala*

Vidyadhiraja Vidyabhavan HSS   Jun 2018 – May 2020
Higher Secondary Education (Science Stream)   *Aluva, Kerala*

St. John the Baptist CSI EM School   Jun 2017 – Mar 2018
Secondary School Leaving Certificate (SSLC)   *Aluva, Kerala*

EXPERIENCE

Intern   October 2022
NeST Technologies   *Aluva, kerala*

- Collaborated in a 10-day internship to deliver IoT solutions, integrating hardware and software.
- Implemented modular and reusable code for sensor data collection, reducing deployment time by 20 percentage.
- Troubleshot production-level hardware and software issues in real-time

PROJECTS

Speech To Sign Language Translator *(Python, Flask, NLP)*
* Developed a web-based tool for converting speech to Indian Sign Language using Python and Flask.
* Integrated NLP for text tokenization and filtering to improve accuracy.
* Designed a dynamic UI with real-time audio input support.
* Built a custom database for sign language mapping.

Interactive Visual Novel Game *(Python, Ren'Py)*
* Adapted Shakespeare's *Merchant of Venice* into a game with moral decision-making and story branching.
* Integrated puzzles, AI visuals, audio, and riddles for enhanced player engagement.

AI Tic-Tac-Toe using Minimax Algorithm *(Python, Tkinter)*
* Built a GUI-based game using Minimax algorithm with alpha-beta pruning.
* Designed efficient game logic for move evaluation and result detection.
* Integrated real-time UI updates with an intuitive user interface.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, JavaScript

Tools & Technologies: Linux, Git, GitHub, Bash, Machine Learning

Cybersecurity Tools: Nmap, theHarvester, Shodan, Burp Suite, Nikto, Nessus, SQLmap, Metasploit, Netcat, Gobuster, Wireshark, GTFOBins

Soft Skills: Teamwork, Creativity, Communication, Adaptability, Problem-Solving

CERTIFICATION

- **Certified Penetration Tester** – RedTeam Hacker Academy

ACHIEVEMENTS

- Ranked in the **Top 3%** on TryHackMe cybersecurity platform.