LAKSHYA SWARUP

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Education

Vellore Institute of Technology, AP <div align="right">**Oct 2020 – Oct 2024**</div>
Bachelors of Technology in Computer Science <div align="right">***CGPA**: 8.47*</div>

Narayana E-Techno School, Bangalore <div align="right">**June 2019 – April 2020**</div>
Central Board of Secondary Education, Grade 12 <div align="right">***Percentage**: 82%*</div>

Experience

Technical Associate <div align="right">**Jan 2022 – Jul 2023**</div>
Null Chapter, Vellore Institute of Technology

- A CTF (Capture the Flag) challenge was organized, and questions based on the topics of steganography and cryptography were developed.
- An Escape Room event was organized, contributed to the creation of questionnaires and theme designs focused on cyber security.

Creative Advisor <div align="right">**Jul 2022 – Jan 2023**</div>
Null Chapter, Vellore Institute of Technology

- Designed various CTF (Capture the Flag) event posters and videos in high definition using Canva and DaVinci Resolve in various compatible resolutions.
- Designed numerous Escape Room event posters and edited a video in high definition using Canva.

Treasurer & Creative Lead <div align="right">**Jul 2021 – Jul 2022**</div>
Math Club, Vellore Institute of Technology

- Working in the administrative department, oversaw how the money granted for the events was used. Aided with event management and the smooth running of the programme.
- Worked in the Creative Department, created posters for events and occasions such as Sir Ramanujan's Birthday, Pi Day, Sir Ramanujan's Death Anniversary using Adobe Photoshop, Adobe Premiere Pro, Adobe Spark and Canva.

Projects

Robotic Hand

- Built a hand replica system using custom **flex sensors** to capture and mimic the user's hand movements.
- Incorporated a sophisticated wired system using **Arduino** and **Bluetooth** for seamless real-time replication of hand movements between both hands using **servo motor.**

Portfolio Website using Next JS, Tailwind CSS & Framer Motion

- Highlighting expertise in modern web development using Next.js for optimized rendering, Tailwind CSS for efficient styling, and Framer Motion for smooth animations.
- Demonstrating ability to apply technical knowledge to create real-world projects, showcasing design, coding skills, and user experience understanding.

Technical Skills

Languages & Frameworks: C, C++, Java, Python, Kotlin, R Programming
Web Technologies: HTML, CSS, React, JS, Express
Software & Tools: Android Studios, Anaconda, Google Colaboratory, MATLAB, VS Code, Pycharm
Other Skills: Data Structures and Algorithm, Object Oriented Programming, Git & Github

Certifications

Microsoft: AZ-900, Azure Fundamentals
NVIDIA: Fundamentals of Deep Learning
Coursera : IBM Ceritified Introduction to Cloud Computing
Forage : Developer Virtual Experience Program