

Garv Lakhina

📍 Bangalore, India ✉ garvlakhinagl@gmail.com ☎ +91-87928742224 in Garv Lakhina 🌐 Garv Lakhina

Education

MVJ College of Engineering

Nov 2022 – Present

Bachelors of Engineering in Computer Science

- GPA: 8.55/10

Experience

Design Team, Nova Innovative Compskey

Dec 2024 – Present

- Designed logos, promotional posts, and digital content for club events, enhancing the club's visual identity using Figma and Canva.
- Coordinated and hosted club events, ensuring smooth execution and audience interaction.
- Collaborating on the design and development of the official club website to enhance online presence and accessibility.

Media Team, Software Development Club

Aug 2024 – Present

- Coordinated photography and media coverage during club events to ensure effective visual documentation.
- Assisted in planning and creating social media content to boost the club's online visibility.

Projects

SecureWave - A Complete Women's Safety Solution

Python, OpenCV, TensorFlow

- Currently working on a women's safety app featuring real-time location sharing, voice-activated SOS, and intelligent threat detection through gesture and gender analytics. Integrating CCTV feeds to detect gestures indicating a lone woman or any mishap, triggering immediate alerts to emergency contacts. Utilizing Firebase for backend services and alerts.

Complain Hub

ReactJS, Firebase, SpringBoot

- Developed a complaint management system to simplify the process of lodging, tracking, and resolving complaints. Users can submit complaints, monitor their status, and receive updates. Admins can manage and assign complaints, ensuring efficient resolution. Integrated Firebase for real-time database management, authentication, and notifications, with ReactJS for a responsive frontend.

Web3 Will Execution System

Solidity, Web3.js, ReactJS, IPFS

- Currently working on a decentralized will execution system that automatically transfers crypto assets to designated beneficiaries if the user remains inactive for a set period (e.g., 2 or 3 years). The system sends periodic email reminders starting 6 months before the inactivity deadline. Smart contracts handle secure fund transfers, IPFS ensures tamper-proof will storage, and Web3.js enables seamless blockchain interaction.

Sentinel AI – Automated Penetration Testing Website

React, Python, Firebase

- Developed a cybersecurity platform that automates penetration testing on user-submitted URLs by simulating SQL Injection, DDoS, and MITM attacks, featuring real-time 2D attack flow visualizations using Canvas API, ML-based risk scoring, and downloadable vulnerability reports with recommended fixes.

Technologies

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

Frameworks: Spring Boot, ReactJS, Next.js, Web3.js, Firebase, Hardhat, OpenCV

Tools: VS Code, Eclipse, Git, GitHub, Remix IDE, TON Web IDE

Soft Skills: Communication, Problem-solving, Teamwork, Adaptability

Certifications

[UI/UX for Beginners](#)

[Sigma at Figma Workshop](#)

[Android Development Workshop](#)

[DSA with C++ Bootcamp](#)

[Aventus 3.0 Hackathon](#)

[Java Training](#)

[HTML Training](#)

[Ton Hacker House](#)

Achievements

- Designed and developed **Sentinel AI**—an automated penetration testing tool with real-time threat visualization—and placed among the top 15 shortlisted teams at **Aventus 3.0 Hackathon**, DSCE, selected from over 3,800 entries.