





Niranjhan SU

Github: github.com/DrunkenCloud 

Portfolio Website: niranjhansu.vercel.app 

Email: niranjhansu@gmail.com 

LinkedIn: [@niranjhan-su](https://www.linkedin.com/in/niranjhan-su) 

Mobile: +91 8122152806 

Professional Summary

Aspiring software engineer with robust foundations in computer science and cybersecurity, proven through developing scalable systems in industry and open-source settings. Recognized for impactful results and leadership: **streamlined automations, contributed to large OSS projects, excelled in competitions, and consistently delivered measurable outcomes**. Eager to solve real-world problems at Google through technical expertise and collaborative innovation.


Education

B.Tech in Computer Science (Specialization in Cyber Security)

Shiv Nadar University Chennai, Semesters I-IV

Point of Contact, Cyber Security Vertical, Coding Club

Aug 2023 - Present

CGPA - **8.54** 

Technical Skills

Languages: Python, Java, C++, TypeScript, JavaScript, C, Kotlin, Shell Scripting


Backend & Databases: Flask, FastAPI, Node.js, Express.js, Next.js, PostgreSQL, SQLite, Gradle

Technologies: Git, Make, Android Studio, Valgrind, PyQt, BeautifulSoup, Puppeteer, LeakCanary, Docker

Certificates: **Programming in Modern C++ (NPTEL)**  - Ranked in the **top 5%** of Course Exam Takers.


Experience

Software Development Intern – Maheswari Electrical Agency

Jun 2025 - Present 

- Designed and maintained scalable backend features for a Shopify customer retention suite, leveraging PostgreSQL and **Vapi-AI for automated follow-up calls** on abandoned checkouts, with **smart scheduling paired with MCP APIs for product context** (prevented night calls and provided live store details, improved UX).
- Built an automated messaging system (browser automation + Electron) for Instagram/WhatsApp; reduced manual efforts by **80%** and saved INR 1,00,000 by eliminating paid API dependencies.
- Developed a **FastAPI microservice** achieving **99.9% testing uptime** for scrapping store metadata.

Course Development Intern – FISST Academy

Jun 2025 - Present 

- Designed and delivered **labs and structure for two cybersecurity modules** (Blockchain Based Secure Authentication, Analysis and Detection of Ransomware with Machine Learning), for a total of **25+ labs, 40+ hours** of instruction.
- Automated lab environment setup** via shell scripting, reducing setup time by **90%**.

Projects

ScheduleMaker - Timetable Generator and Editor (*TypeScript, Next.js, Node.js*)

- Developed a timetable algorithm processing **50+ faculty** and **15+ labs** with **20+ constraints**, generating conflict-free timetables in one click.
- Slashed manual scheduling time by **90%** and implemented live editing/validation to eliminate scheduling errors.

Clox and Jlox - Lox Language Interpreters (*Java, Make, C*)

- Built full-featured interpreters (**lexer, parser, compiler**), supporting OOP, closures, recursion, lexical scoping.
- Improved runtime by **20%** using low-level profiling (Valgrind), addressed memory performance bottlenecks.


Welt - Webnovel Viewer (*Android, Java/Kotlin, Flask, PyQt, BeautifulSoup*)

- Developed Android/Desktop app to scrape and store web novels for offline, seamless long-form reading with auto-download for missing or deleted chapters, reading progress sync.

Fou – Terminal Text Editor (*C, Make*)

- Designed a **Vim-like terminal text editor supporting comprehensive undo/redo, rapid cursor navigation, and multiple editing modes** with both keyboard and mouse control.
- Engineered a **custom piece table structure**, boosting large file **editing performance by over 70%**.

Awards and Achievements

Open Source: Resolved critical memory leaks in AnkiDroid (2M+ users), improved stability. 

LeetCode: Contest Knight (Rating: 1853, Top 10%), solved 600+ algorithm problems. 

Team Edita co-founder (CTF team), co-organized EditaCTF 2.0 (100+ participants) 

Sept 2024 - Present

Top 1% Global Ranking on TryHackMe with **100+ rooms solved** 

Mar 2024 - Present

Hackathon Finalist: Envithon 2024 (SNU), Devhouse 2025 (VITC)

2024-2025