Niranjhan SU

Github: github.com/DrunkenCloud ☑

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Education

B.Tech in Computer Science (Specialization in Cyber Security   Aug 2023 - Present
Shiv Nadar University Chennai, Semester I to III   CGPA - **8.53** ☑
Point of Contact for Cyber Security Vertical of Coding Club

Experience

Software Development Intern - Maheswari Electrical Agency   **Jun 2025 - Present** ☑
- Building and maintaining a **Shopify app** focused on customer retention and engagement, including features like **Vapi-AI powered follow-up calls** with MCP connections to shopify stores.
- Developed software alternatives to paid messaging services, saving an estimated **1,00,000 INR** for the company.
- Built a **microservice-style API** that uses a **headless browser agent**, to extract data from online stores.

Course Development Intern - FISST Academy   **Jun 2025 - Present** ☑
- Designed **two comprehensive cybersecurity modules** with **25+ hands-on labs** spanning **40+ Hours**, covering blockchain-based secure authentication and ransomware analysis and detection using machine learning.
- Architected **automated lab environment setup** using shell scripts, enabling seamless deployment.
- Implemented **ransomware detection systems** achieving **high accuracy** on **200MB+ malware datasets**.

Contributor - Ankidroid   **Apr 2025 - Present** ☑
- Fixed **memory leaks** within the Android application located in page fragments and TTS Engine using **LeakCanary**.
- Rewrote code to remove a **deprecated annotation** to align the codebase with modern standards.

Projects

ScheduleMaker - Timetable Generator and Editor *(TypeScript, Next.js, Node.js)*   ☑
- Created the **back-end** for an automated **timetable generator** to address the university's timetable creation challenges.
- **Reduced** timetable creation time by **more than 90%** and supports editing of lectures in generated timetables.
- Developing an **algorithm** to tackle complex scheduling constraints such as **balancing** faculty timing requirements and availability, **lab availability**, and incorporates **locking features** for fixed sessions.

Clox and Jlox - Lox Language Interpreters *(Java, Make, C)*   ☑
- Developed complete **Lox language interpreters** from scratch, implementing **Lexers, Parsers, and Compilers**.
- Successfully integrated advanced language features like **OOPS, closures, lexical scoping, and recursion**.
- Conducted **low-level profiling** to identify bottlenecks using tools like **Valgrind**, improving performance.

Welt - Webnovel Viewer *(Android Studio, Flask, PyQt, BeautifulSoup)*   ☑
- Developed personal **applications** to scrape web-novels using **BeautifulSoup** and store them to read offline.
- Created an interface specifically optimized for **long-form reading** with detection for downloading missing chapters, thus preserving content even when removed from original sources, and synchronization for reading progress.

Technical Skills

Languages: C, C++, Python, Java, Kotlin, TypeScript, Javascript, Shell Script, Go
Frameworks & Libraries: Flask, Django, FastAPI, Playwright, Puppeteer, Selenium, PyQt, Express.js, Socket.io
Technologies: Git, Make, Android Studio, GDB, Valgrind, SQLite, PostgreSQL, MongoDB, Firebase, Shopify
Certificates: Programming in Modern C++ (NPTEL) ☑ - Ranked in the **top 5%** of Course Takers.

Awards and Achievements

Contest Knight with a Rating of **1853** and more than 600 problems solved on LeetCode ☑   *LeetCode*
Top 1% Global Ranking, and **more than 100 Rooms solved** on TryHackMe ☑   *TryHackMe*
Hackathon Finalist - Envithon 2024 (SNU Hackathon), Devhouse 2025 (VITC Hackathon)   *2024 - 2025*
Completed all the Challenges in Advent of Code 2024 ☑   *Advent of Code*
Co-founded a Capture The Flag team **Team Edita**, ☑ participating in cybersecurity competitions.   *Sept 2024 - Present*
Co-organized multiple CTFs, including **EditaCTF 2.0**, ☑ achieving **100+ participants**.   *5th February 2025*