

Lakshya Sharma

[Gmail](#) | [LinkedIn](#) | [Github](#)

EDUCATION

Vellore Institute of Technology, Chennai

Currently pursuing a Bachelor's in Computer Science Engineering with Data Science

Tamil Nadu, India

July 2024 – Present Date

Zydus School of Excellence, Ahmedabad

Grade 12 certification, CBSE board

Gujarat, India

2023 – 2024

TECHNICAL SKILLS

Languages: C, Zig, Python, Java, JavaScript, SQL (MySQL, SQL*Plus), HTML/CSS

Developer Tools: Git, Docker, WSL2 (Debian), Neovim, VS Code, GDB, Valgrind

Libraries / APIs: pandas, NumPy, Matplotlib, POSIX API, Systems Programming

PROJECTS

FUSEcrypt | C, OpenSSL, FUSE(File in Userspace)

- Developed a file system that makes use of FUSE module to develop a custom filesystem.
- Filesystem encryption is done via OpenSSL and stores data for persistence in a JSON format.
- Supports multiple users along with passwords that are stored securely.

Core Utils | C, POSIX API, System Calls

- Implemented select few GNU core utilities in C with minimal external dependencies.
- Developed a custom sleep utility dependent on only Linux kernel for x86 architecture.
- Built basic versions of ls, rm, and grep etc including support for several common flags.

Neovim Plugins | Lua, Neovim API, JSON

- Developed multiple custom plugins for Neovim using Lua and the Neovim API to extend editor functionality.
- Implemented a code runner leveraging Neovim's integrated terminal to execute programs without leaving the editor, inspired by VS Code's CodeRunner extension.
- Built a plugin for managing installed colorschemes and toggling transparent backgrounds using Neovim's native API.

EXPERIENCE

Club Activities

VIT Chennai

Chennai, Tamil Nadu

- Helped establish a cultural club for celebrating the state of Madhya Pradesh during 1st – 2nd year.
- Active technical member of the Linux Users Group on campus, participating in technical discussions, hosting + attending workshops and club-wide open source projects
- Joined the mathematics club during first year, learned to take a more rigorous approach to problem solving

Hackathons

VIT Chennai

Chennai, Tamil Nadu

- GlitchCon-2.0 [2026] – Built a webapp that uses blockchain smart contracts as an escrow mechanism for a transparent transportation payment system, made use of Express API along with PostgreSQL, blockchain contract was written using Solidity
- DataQuest [2025] – Used Linear Regression for a simple Loan approval prediction model in Python, was my introduction to Big Data and Machine Learning
- IEEE [2026] – Solved multiple questions on data structures and algorithms along with a team of 3, included advanced topics like backtracking, dynamic programming, greedy solution

Past Leadership and People management

Podar International School

Navi Mumbai, Maharashtra

- Served on the student council in school, actively participating in student management and event coordination.
- Helped organize and conduct various campus events for Madhya Pradesh cultural club.