John Doe

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Objective

Highly motivated Computer Science undergraduate (2025) with a passion for open source development and systems programming. Strong foundation in Linux, algorithms, and multiple programming languages. Seeking a Graduate Software Engineer role at XYZ3 to contribute to meaningful open source projects and learn from global engineering teams.

Education

B.Tech in Computer Science and Engineering
National Institute of Technology, Trichy
▦ Aug 2021 – May 2025 (Expected)
CGPA: 9.2 / 10.0

- Relevant Courses: Operating Systems, Algorithms, Computer Networks, Compiler Design, Distributed Systems

- Dean's List 2022, 2023

Higher Secondary Education (CBSE)
Delhi Public School, Delhi
▦ Apr 2019 – Mar 2021
Score: 96.4%

- Stream: Science with Computer Science

- Top 1% National Rank (CBSE Board Exam)

Technical Skills

- **Languages:** Python, C++, Golang, Rust, Bash, JavaScript

- **Operating Systems:** Ubuntu (daily driver), Arch Linux, Fedora

- **Tools/Platforms:** Git, Docker, GitHub Actions, GDB, VSCode, Vim

- **Concepts:** Data Structures & Algorithms, Systems Programming, Networking, OOP, OS Internals

- **Interests:** Open source contribution, Systems design, Cloud-native tools, Kernel development

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Projects

🔧 Linux Process Monitor in C++

Built a top-like CLI utility for Linux using /proc to show real-time CPU, memory, and IO statistics

- Implemented custom sorting, signal handling, and user interaction
- Used ncurses for terminal interface

Tiny Deep Learning Library in Python

Built a basic neural network framework using NumPy

- Supported forward and backward propagation, loss functions, and optimizers
- Trained it on MNIST digits dataset

🐧 dotfiles for Ubuntu/Arch Linux

Maintains a public repo with shell scripts, Neovim config, aliases, and productivity tools

- Modular and cross-distro compatible
- 50+ GitHub stars and forked by peers for customization

Open Source Contributions

- **Contributed to GNOME Terminal**: Fixed minor bugs and improved documentation
- **Contributed patches to Neovim**: Helped refactor Lua plugins and updated deprecated APIs
- Active participant in open source hackathons and GitHub issues

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Experience

Summer Intern – Linux Kernel and Networking

Indian Institute of Science (IISc), Bangalore

📅 May 2024 – Jul 2024

- Explored Linux netfilter subsystem and packet filtering
- Implemented eBPF programs to trace network activity

Freelance Developer – System Tools (Remote)

📅 Sep 2023 – Feb 2024

- Built automation scripts for developer environments
- Created CLI-based monitoring tools for server usage

Achievements

- 🏆 Top 5 Finalist, **Hack4OpenSource 2023**
- 🏆 Won internal coding competition (Data Structures and Algorithms category)
- 🏅 Ranked 2nd in college-level **Linux Command Line Challenge**

Extracurriculars & Leadership

- 🖳 Open Source Club – Lead Maintainer

- 🧑‍🏫 Peer Mentor for 1st-year students in Programming

- 🌏 Participated in Ubuntu India community meetups

Additional Information

- Available to work remotely across time zones (APAC/EMEA preferred)

- Fluent in English (written and spoken)

- Willing to travel internationally for sprints/events

- Passionate about ethical computing and inclusive software development

References

Available upon request