#### 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

## **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

# nd 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

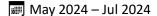
### **Open Source Contributions**

- 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

### **Experience**

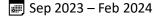
## Summer Intern - Linux Kernel and Networking

Indian Institute of Science (IISc), Bangalore



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

# Freelance Developer - System Tools (Remote)



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

### **Achievements**

- 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