

PARAMVEER SINGH

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OBJECTIVE

Self-motivated CS undergraduate with hands-on experience in Linux systems, C++, and cybersecurity tooling. Actively developing low-level programming and ethical hacking skills. Seeking beginner-level roles or internships to build real-world experience in cybersecurity and systems programming.

EDUCATION

Guru Nanak Dev Engineering College

2024 – 2028

B.Tech in Computer Science & Engineering

Ludhiana, Punjab

- Relevant Coursework: Operating Systems, Data Structures & Algorithms, Computer Networks, DBMS

EXPERIENCE

Freelance Translator

2023 – 2024

Self-Employed

Ludhiana, Punjab

- Translated legal documents between **Punjabi and English**, maintaining precise terminology and formatting standards
- Delivered accurate translations under deadline for clients requiring documentation for official and legal use

PROJECTS

DSA Library from Scratch | C++, Git

2024 – Present

- Implemented core data structures from scratch in **C++**: Singly Linked List, Stack, Queue, Binary Search Tree, and Graph (adjacency list) without relying on STL containers
- Built sorting and search algorithms including **Bubble Sort** and **Binary Search** using manual pointer-based design to reinforce low-level memory management

Arch Linux Development Environment | Bash, i3wm, Neovim, C++

2024 – Present

- Configured a full **Arch Linux** development environment from scratch: i3 window manager, Neovim with **clangd LSP**, clang-format, and **nvim-dap** for C++ debugging via codeLLDB
- Automated shell environment with custom **Bash** scripts, dotfile management, and **Git**-tracked configuration for reproducibility

SKILLS

Languages: C++, Python, JavaScript (basic)

Cybersecurity Tools: Kali Linux, Wireshark, Nmap

Operating Systems: Arch Linux, Kali Linux, Ubuntu, Debian, Windows

Tools: Git, Bash Scripting, Neovim, GDB

Soft Skills: Analytical Thinking, Problem-Solving, Attention to Detail, Touch Typing (80 WPM)

LANGUAGES

Punjabi: Native | **Hindi:** Fluent | **English:** Proficient