Harshdeep Singh

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Skills

Languages: C, C++, Python, Bash/Shell; HTML, CSS, JavaScript.

Software Development: Object-Oriented Design, User-Centered Design, User Research, Usability Testing, Web Accessibility (WCAG 2.0), Responsive Web Design, Agile fundamentals, Git.

Tools & Platforms: Linux (Arch, Debian), macOS, VS Code, GitHub, Figma, MySQL/MariaDB, Microsoft Office (Excel, PowerPoint, Word).

Soft Skills: Project Management, Attention to Detail, Team Collaboration, Analytical Thinking, Public Communication.

Projects

Linux Development Setup Automation   Sep 2023 – Present
github.com/harshdeepsinghin/dotfiles
Automated environment setup for Linux and macOS using Bash. Includes package provisioning, developer workflow enhancements, reusable configuration modules, and error-tolerant provisioning logic.

Striiks – Habit Tracker (Python)   Nov 2022 – Jun 2023
github.com/harshdeepsinghin/striiks
Command-line habit tracker with persistent storage and modular architecture built using Python.

Study Toolkit – Productivity CLI   Mar 2024 – May 2024
github.com/harshdeepsinghin/StudyToolkit
CLI tool with timers, learning utilities, and configurable preferences; designed around user workflows and usability efficiency.

LinuxWale – Learning Community (Founder)   2024 – Present
linuxwale.in
Built a digital learning platform helping users adopt Linux and open-source tools. Conducted **user research** to identify beginner pain points and designed accessible documentation to improve onboarding.

Internship Experience

Technical Engineering Intern   Jun 2025 – Jul 2025
Ant Tek, Dehradun
- Supported internal software tooling and lightweight automation for research operations.
- Improved developer workflows through environment setup optimization and scripting.
- Worked across electronics–software boundaries, contributing to small cross-domain tasks.

Social Intern   Jun 2023 – Aug 2023
Ardas Samaj Kalyan (ASK) NGO, Dehradun
- Managed community projects and conducted cyber safety awareness sessions for 200+ individuals.
- Organized community-driven activities including plastic repurposing and plantation drives.
- Assisted local entrepreneurs with digital presence setup, utilizing basic **MS Excel** for resource tracking.

Education

UPES Dehradun, India   Aug 2023 – Present
B.Tech in Computer Science Engineering – Cyber Security and Digital Forensics   CGPA: 8.21/10

SMCS Vikasnagar, India   Apr 2022 – Mar 2023
CBSE Higher Secondary Certificate   74%

SMCS Vikasnagar, India   Apr 2020 – Mar 2021
CBSE Secondary School Certificate   74.4%

Achievements

Eureka Jr. Semi-finalist – E-Cell IIT Bombay (2021, 2022)
Runner-Up – Group Dance Competitions at UPES Uurja Fest and DIT Fest
Selected for Dance India Dance – Dehradun & Delhi Rounds

Interests

Public Speaking, Debating, Skating, Music (guitar, percussion, rap).