



Satvik Patwardhan

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About me

Masters student in Computer Science at Banaras Hindu University (BHU) specializing in Linux software development and open-source contributions. Skilled in Docker, Flask, GTK, and Flatpak, with experience building reliable, user-focused native and web applications.

Projects

Web Apps (desktop launcher for web-applications) | 30/11/2023 - Current

Developed an open source Linux utility that installs arbitrary websites as native-feeling desktop applications. Built a custom WebKit-based browser shell to isolate each web app from the primary browser and improve desktop ergonomics. Designed a fully GUI-driven install flow using GTK4/libadwaita, adhering to GNOME HIG for spacing, iconography and adaptive layout. Reached 100,000+ installations.

Student Dossier and Hostel Management Portal (Office of the Dean of Students, BHU) | 25/02/2026 - 17/06/2026

Developed a web portal for the Office of the Dean of Students, BHU to digitally collect and verify dossier forms, manage hostels, rooms and allocations, aid in vigilance and ensure transparency in allotment of hostel seats across the university.

Spandan Event Management System (Office of the Dean of Students, BHU) | 01/02/2026 - 24/02/2026

Designed and developed a centralized web portal for the Office of the Dean of Students, BHU for managing participants and events for *Spandan*, BHU's annual festival. Implemented across the university's 22 faculties and colleges.

Visual Processing Software (Institute of Medical Sciences, BHU) | 04/05/2025 - 22/10/2025

Designed and implemented an interactive web-based software to evaluate visual-spatial and executive functioning in children using established tasks (Corsi Block, Tower of Hanoi, object recognition, visual search) to be used as part of research work for the PhD thesis of a research scholar at the Department of Kriya Sharir (Ayurveda Physiology), Institute of Medical Sciences, BHU.

Work experience

Software Development Intern | Office of the Dean of Students, Banaras Hindu University | 01/02/2026 - 17/06/2026

Interim IT Head (Internship) | Kalki Foundation (NGO) | 01/07/2024 - 01/03/2025 | Varanasi, India

English Instructor | Pathshala Academy, Varanasi | 01/09/2025 - 28/02/2026

Taught English language and communication skills to school students, covering grammar, writing and spoken English.

Education & Training

Master of Science in Computer Science | Banaras Hindu University, Varanasi | 31/07/2026 - Current | Varanasi, India

Website: <https://bhu.ac.in>

Bachelor of Science (Hons.) in Computer Science | Banaras Hindu University, Varanasi | 07/10/2023 - 29/07/2026 | Varanasi, India

Computer Science (Honours), Mathematics, Statistics

Field(s) of study: Natural sciences, mathematics and statistics | Final grade: CGPA: 7.60/10 | Website: www.bhu.ac.in

Foundation Certificate in Programming and Data Science | Indian Institute of Technology Madras, Chennai | 01/01/2024 - 30/04/2025 | Chennai, India

Final grade: CGPA: 7.75/10 | Website: iitm.ac.in

Senior Secondary School Certificate (Class XII) | Central Board of Secondary Education | 30/11/2020 - 30/11/2022 | Varanasi, India

English, Physics, Chemistry, Mathematics, Computer Science

Final grade: 78.6%

Secondary School Certificate (Class X) | Central Board of Secondary Education | 30/11/2010 - 30/11/2020 | Varanasi, India

English, Sanskrit, Science, Mathematics, Social Studies

Final grade: 82.4%

Positions of Responsibility

Student Representative, Internal Complaints Committee, BHU | 09/05/2026 - Current

Secretary, The Debuggers Coding Club, BHU | 01/08/2026 - Current

Conducted a series of workshops on Linux and FOSS at BHU's official coding club. Also served as Joint Coordinator in the 2025-26 session.

Volunteering

Volunteer, Kalki Foundation (NGO) | 01/03/2024 - 01/03/2025 | Varanasi, Uttar Pradesh, India

Volunteered at the Kalki Foundation NGO in various initiatives including blood donation drives, social awareness events and health awareness drives over the course of a year.

Hobbies and Interests

Writing

Photography

Language Skills

Mother tongue(s): Hindi, Chitpavani Konkani

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	C2	C2	C1	C1	C1

Test Scores

Qualified GATE Examination

Qualified Graduate Aptitude Test in Engineering (GATE) 2026 in Computer Science and Information Technology conducted by Indian Institutes of Technology (IITs) with GATE score 423.

IELTS Academic

IELTS Score 8.0 (CEFR level: C1)