

B V N VAIBHAVI SHARMA

UI/UX, FRONTEND & ASSISTIVE AI RESEARCH

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SUMMARY

CSE student with growing skills in UI/UX design, frontend development, and Python. I work on building clean, user-focused digital experiences and exploring assistive AI through practical projects and research. Strong communicator, fast learner, and eager to contribute to modern, impactful tech products.

TECHNICAL SKILLS

- **Programming:** Python, Java, JavaScript
- **Frontend:** HTML5, CSS3, Responsive Design
- **Domains:** HCI, Pattern Recognition
- **UI/UX:** Figma, Wireframing, Prototyping
- **Tools:** GitHub, VS Code, Canva, Figma
- **Creative:** Content Writing, Video Editing (Basic)

PROFESSIONAL EXPERIENCE

ELECTRICITY BILLING SYSTEM

AUG 2025 - NOV 2025

- Developed a complete desktop application for automated electricity bill generation.
- Built a Tkinter GUI, integrated SQLite for storage, and added secure login.
- Automated unit, cost, and tax calculations, reducing manual effort by 60%.

PORTFOLIO WEBSITE

OCT 2025

- Tech Stack: HTML, CSS, JavaScript, Figma
- Designed and developed a personal portfolio website to showcase skills, projects, and achievements.
- Implemented responsive design principles ensuring full compatibility across devices.

START.CO – Startup Collaboration Platform (In Development)

OCT 2025 - Present

- Designing a platform for startups/employees to connect and collaborate.
- Working on login flow, dashboard UI, interaction design, and feature planning.

RESEARCH PAPER – EYE-GAZE CONTROLLED ASSISTIVE SYSTEM (IN PROGRESS) NOV 2025 - Present

- Developing an assistive communication system using eye-gaze detection.
- Focusing on system design, computer vision pipeline, and UI interaction flow.
- Preparing for submission to a national-level conference.

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science and Engineering

Aug 2024 - Aug 2028

SRM Institute of Science and Technology, Kattankulathur

- Major in Computer Science and Engineering
- CGPA: 8.88

ADDITIONAL INFORMATION

- **Languages:** English, Telugu, Hindi, Kannada
- **Certifications:** Google AI ML virtual internship , IIT VARNASI hosted iort robotics workshop , NPTEL OOP . Attended workshops on Gen AI and chatbots using RAG