

# SNEHA S

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## Education

### B.E. in Computer Science Engineering (Cyber Security)

2022 – 2026

Sri Venkateshwara College of Engineering, Bengaluru

CGPA: 9.1

## SKILLS

**Frontend:** HTML, CSS, JavaScript, React, Tailwind **Backend:** Node.js, Python **Databases:** SQL, PostgreSQL

**Languages:** C, C++, Java, Python **Security:** Nmap, Wireshark, Metasploit, Kali **Tools:** Git, GitHub, VS Code

**Design/CMS:** WordPress, Figma, Canva

## Experience

### Front-end Developer — ATS Platform

Nov 2024 – Jan 2025

- Developed and maintained **15+ reusable React components** using Vite architecture, improving UI modularity and scalability.
- Implemented **Role-Based Access Control (RBAC)** workflows for **3 user roles (Admin, Recruiter, Manager)**, securing access to **10+ dashboard modules**.
- Integrated **12+ REST API endpoints** for candidates, jobs, interviews, authentication, and analytics dashboards.
- Reduced page load time by **30%** through optimized routing, lazy loading, and static asset handling.
- Fixed **20+ UI bugs** including routing errors, 404 asset issues, and responsive layout breakpoints.
- Improved user experience by adding **global loaders, error boundaries, and form validations**, reducing form failure rate by **25%**.

## Projects Showcase

- Threat Detection and Mitigation System** – Developed an AI-powered cybersecurity platform using **Python, Flask, ML Algorithms** to classify threats into **3 severity levels (Low, Medium, High)**. Implemented automated mitigation workflows and generated **PDF security reports** with risk scores, improving incident response efficiency by **35%**.
- Dark Pattern Web Tool – AI/ML Browser Extension** – Designed a browser extension prototype using **Figma and JavaScript logic models** to detect **10+ common dark pattern categories**. Created modular UI components and UX flows, achieving **90% detection accuracy** during simulated usability testing.
- Potteryverse – WordPress Website** – Built a responsive website using **WordPress, WooCommerce, HTML, and CSS** with **20+ product listings**, image gallery, and payment integration. Improved page load speed by **40%**. (Live Website)
- E-Commerce Website** – Developed a responsive e-commerce platform using **HTML, CSS, JavaScript, and Bootstrap** featuring **15+ product pages**, cart system, and checkout flow. Optimized mobile responsiveness achieving **95% device compatibility**; *Winner – E-Commerce Website Hackathon (Cyberkraft, ACS College)*.

## ACHIEVEMENTS

- Secured **Top Rank** in B.E CSE Cyber Security stream.
- Winner of college-level **Web Development Hackathon**.

## Certifications

- NPTEL — Cryptography
- Forage — Cybersecurity Job Simulation
- IBM SkillBuilder — Cybersecurity
- CTRL. ALT. ACT. OSINT Program — CSI + MKiTOS
- Python Development with ChatGPT — Coursera
- In Progress:* AWS Skill Builder, Pen Testing (IIIT Allahabad)