Vatsal Goil

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer Science undergraduate with a strong foundation in database management (SQL) and full-stack web development using HTML, CSS, JavaScript, and Node.js. Proficient in Python and Java, with a growing command over data structures and algorithms. Passionate about cybersecurity and cryptography, with hands-on experience in network scanning tools such as Wireshark and Nmap. Demonstrates a continuous learning mindset and a commitment to building secure, scalable, and efficient software solutions.

EDUCATION

B-Tech in Computer Science (CyberSecurity)   **2022–2026**
Pranveer Singh Institute Of Technology, Kanpur, India
Current Aggregate (Till 5th Sem): 66.7%

Shree Sanatan Dharm Education Center   **2020–2022**
Intermediate: 76%
High School: 89%

WORK EXPERIENCE

- **IT Intern at Pinnacle Labs (Nov 4, 2024 - Dec 3, 2024)**: Developed and optimized web applications, including a Weather Application and Currency Converter. Gained hands-on experience in API integration and front-end development using JavaScript, HTML, and CSS. Worked on improving UI/UX for better accessibility.
- **IT Intern at Brainwave Matrix Solutions (Feb 5, 2025 - March 14, 2025)**: Led the development of a Phishing Scanner and Password Strength Checker, focusing on cybersecurity solutions. Worked with Python (Flask) and JavaScript to create robust security tools. Enhanced security algorithms for improved detection accuracy.

PROJECTS

- **Trash_Trade_marketplace**: Designed and developed a website that connects users to sell household waste and receive fixed payouts, while also offering a platform to purchase recycled products. Built with HTML, CSS, JavaScript, and MySQL, focusing on secure user interaction, product listings, and smooth transactions to encourage sustainable recycling practices.
- **Vehicle Tracking System**: Built a web-based solution for real-time vehicle monitoring using HTML, CSS, JavaScript, Python/Node.js, and MySQL. Integrated GPS & Google Maps API for live tracking, implemented RESTful APIs for data flow, and added authentication with real-time updates via WebSockets.
- **ResQ - Women Security (ongoing project)**: Developing a women's safety mobile application focused on providing real-time security and emergency support. The app allows women to create secure accounts with end-to-end encrypted data and multiple locking mechanisms. Integrated GPS-based tracking with police station mapping, contact numbers, and live location sharing to help authorities respond quickly in emergencies. Features include phone tracking, SOS alerts, and secure communication channels for victim assistance.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python
- **Web Development:** HTML, CSS, JavaScript, Node.js
- **Database Management:** SQL, DBMS concepts
- **Cyber Security:** Cryptography, Security Tools (Nmap, Wireshark)
- **Core Subjects:** Operating System, Basics of C Programming, DSA

CERTIFICATIONS

- **Getting Started with Microsoft Excel - Coursera**
- **Introduction to CyberSecurity - IBM**
- **Introduction to Cryptography - Simplilearn**
- **Introduction to Cyber Security - Cisco**
- **SQL - HackerRank**
- **Python Programming - HackerRank**