Chanchal Sharma

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Education

Vellore Institute of Technology, Integrated M.Tech. in Computer Science and Engineering — August 2020 – June 2025
- CGPA: 8.76/10

Govt. Higher Secondary School, Madhya Pradesh board of secondary education (M.P Board) — May 2019 – June 2020
- Percentage: 94.4

Govt. Higher Secondary School, Madhya Pradesh board of secondary education (M.P Board) — April 2017 – June 2018
- Percentage: 92.4

Technologies

Languages/Databases: Java, C, SQL Python (Tkinter, Socket)
Web Technology: JavaScript, HTML/CSS, ReactJS, NodeJS, MongoDB, ExpressJS, MS-Excel
Core Concepts: Object-Oriented Programming, DBMS, Software Manual Testing (Jira)

Experience

MERN Full Stack Internship Program, (CodSoft) — August 2023 – November 2023
- Worked as a full Stack developer trainee in CodSoft. Led the development of full-stack applications using the MERN stack, enhancing functionality and performance.
- Implemented secure authentication with JWT and bcrypt, including role-based access control for admin and user permissions, preventing unauthorized access and data breaches.

Projects

VatsalyaExpress | MERN-based pet adoption and pet care application | *GitHub* — July 2024
- Developed a MERN Full Stack application, VatsalyaExpress, providing a digital platform for users to adopt pet animals and access resources for pet care, enhancing the user experience and promoting responsible pet ownership.
- Implemented modern UI components using React.js and Bootstrap, ensuring responsive design and seamless navigation. Integrated MongoDB and Express.js for efficient data handling and backend services, improving overall system performance.
- Technologies used: MongoDB, React.js, Express.js, Node.js, Bootstrap.

Swachham - Full Stack-Based Garbage Complain Portal | *GitHub* — July 2024
- Developed a full-stack web application, Swachham, serving as a complaint portal for citizens to file complaints if the ULB fails to collect garbage on time, ensuring timely action and promoting cleaner communities.
- Facilitated transparent communication between citizens and local authorities, simplifying the complaint filing process to enhance user experience and improve response efficiency. Technologies used: MongoDB, React.js, Express.js, Node.js, Bootstrap.
- Technologies used: HTML, CSS, JavaScript, Django.

Port Scanner - GUI- Based Port Scanner | *GitHub* — March 2023
- Developed a high-performance, GUI-based network port scanning application using Python, capable of scanning 5,000 ports within a minute by leveraging the threading library, significantly improving scan efficiency and speed.
- Enhanced the application's usability by implementing an intuitive graphical interface, providing users with a comprehensive network security overview and easy access to scan results.
- Designed the tool to rapidly identify open and closed ports, offering valuable insights for network vulnerability assessments and security audits.
- Technologies used: Python, threading, GUI library (Tkinter).

Certifications

- High Performance Coding (DSA using C++), IamNeo, (April 2024). **| *Link***
- Ethnus MERN Internship Certification, November 2024. **| *Link***

Achievements

- Awarded by Collector for securing 1nd rank in district in 12th (May 2020)
- Awarded the Support the Advancement of Rural Students (STARS) scholarship by VIT Bhopal, May 2020
- Winner in Interschool Kho-Kho Championship, October 2018.

Coding Profiles

- ***LeetCode***: Solved more than 550 questions on a streak of 100+ days.
- ***GeeksForGeeks***: Solved more than 450 questions with college rank under 150.

Responsibilities And Hobbies

- Member of NSS
- Enthusiastic about travel and Playing Chess.