

# SIDDHARTH CHATURVEDI

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## SUMMARY

Passionate and technically skilled Computer Science Engineer with a specialization in Cloud Computing. Proficient in JavaScript, React, and Python, with a strong enthusiasm for database management. Looking to leverage my technical expertise and passion for web development to secure an engineering position within a dynamic organization. Adept at solving complex problems, designing efficient systems, and driving innovative solutions in web development projects.

## EDUCATION

**Bachelor of Technology, Computer Science**, Vellore Institute of Technology, Bhopal Expected 2026

**RELEVANT COURSEWORK: IBM Career Education Program Certifications:** Blockchain Fundamentals, Blockchain Developer, DevOps Fundamentals, DevOps Agile Design Thinking, Agile Methodologies.

**HTML, CSS, and JavaScript for Web Development - Johns Hopkins University.** [Visit Certifications](#)

**Class XII**, Vandana Convent School 2022

**Class X**, Vandana Convent School 2020

## SKILLS

**Technical Skills** HTML, TailWind CSS, JavaScript, React JS, Node JS, MERN Stack, Data Structures, Algorithms, PowerBi, SQL Query Development, Database Management.

**Industry Knowledge:** ETL Development, Data warehousing, Operating Systems, DevOps, Cloud Computing.

## EXPERIENCE

**SDE Intern** Sept 2024 - Dec 2024

Progressive Associates, [View Experience Letter](#) Indore, M.P.

- Boosted user engagement by 20% via responsive UI component implementation.
- Enhanced API response time by 30% using efficient algorithms and database indexing.
- Improved application performance by 25% through code optimization and database query refinement.

## PROJECTS

**Brain Tumor Detection System** Developed an advanced MRI-based detection system using JavaScript, Python, HTML, and ML/DL models, achieving 97.3% accuracy and 84% sensitivity on 10,000+ images. Integrated multiple technologies to create a robust diagnostic platform that reduced processing time by 40% for faster clinical decision-making. ([Github Link](#))

**Automated Number Plate Recognition System** Developed an ANPR system using TensorFlow and OCR technology, achieving 92% recognition accuracy and processing 5,000+ plates in real-time across diverse conditions. Implemented advanced OCR algorithms with 98% text precision using Python, JavaScript, and HTML/CSS for integrated functionality. Reduced processing time by 35% for enhanced traffic management and security applications. ([Github Link](#))

## EXTRA-CURRICULAR ACTIVITIES

- **Fitness and Personal Well-being:** Regular engagement in structured strength training routines to enhance muscle strength, endurance and overall physical health.
- **Basketball Engagement:** Led the school nodal club team, demonstrating leadership and team building abilities.
- **Event Manager:** Successfully managed several events related to the annual fest adVITya of VIT Bhopal, showcasing organizational and leadership skills.