

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. Seeking 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, Majors in Computer Science

Present, Bhopal, Madhya Pradesh

Vellore Institute of Technology | **CGPA:** 7.9

- Specialization in cloud computing and automation.
- Conducted research and developed projects related to artificial intelligence.
- Participated in hackathons and coding competitions, often winning or placing highly.

Senior Secondary, Majors in Math, Chemistry & Physics

Octo 2022 , Guna, Madhya Pradesh

Central Board of Secondary Education | **Percentage:** 79%

- Received accolades in school-level science fairs and mathematics competitions.
- Completed additional coursework or online certifications in advanced topics related to PCM.
- Consistently tried to score top marks in all subjects.

EXPERIENCE

Full Stack Web Developer Intern

Octo 2024 - Dec 2024

Progressive Associates, Indore

- Developed and implemented software features while optimizing existing codebase for improved performance
- Collaborated with development team on full-stack solutions and maintained coding standards through code reviews
- Demonstrated strong problem-solving skills and adaptability in learning new technologies and development methodologies
- **EXPERIENCE LETTER:** [LINK](#)

SKILLS

- **Technical Skills:** HTML, Cascading Style Sheets, TailWind CSS, JavaScript, React.js, Node.js, MERN Stack, PowerBi, SQL Query Development, Database Management, Cloud Computing (Azure, AWS).
- **Industry Knowledge:** ETL Development, Data warehousing, Operating Systems, DevOps Practices, Cloud Computing, Software Testing and Quality Assurance.
- **Personal Skills:** Problem solving skills, Critical Thinking, Attention to detail, Adaptability, Communication Skills, Teamwork, Time Management, Creativity.

ENGINEERING PROJECTS

Nov 2024

Brain Tumour Detection System

Vellore Institute of Technology

- Constructed an advanced brain tumour detection system using MRI scans and a combination of JavaScript, Python, HTML, deep learning, and machine learning technologies, achieving an accuracy rate of 97.3%.
- Implemented and optimised deep learning algorithms to analyse over 10,000 MRI images, detecting potential tumours with a 84% sensitivity rate.
- Integrated multiple technologies to build a robust, efficient system, reducing diagnostic time by 40% and significantly improving early detection rates for faster clinical decision-making.
- **Github Link:** [Github link](#)

Oct 2023

Automatic Number Plate Recognition System

Vellore Institute of Technology

- Developed an Automatic Number Plate Recognition (ANPR) system using TensorFlow and OCR technology, achieving a 92% recognition accuracy across diverse lighting and angle conditions.
- Leveraged Python, JavaScript, and HTML/CSS to build an integrated system capable of processing and recognizing over 5,000 number plates in real-time.
- Implemented advanced OCR algorithms to extract text with 98% precision, reducing processing time by 35% and enhancing system efficiency for traffic management and security applications.

RELEVANT COURSEWORKS

HTML, CSS, AND JAVASCRIPTS FOR WEB DEVELOPMENT - JOHNS HOPKINS UNIVERSITY

- Learned to implement modern web pages with HTML and CSS, ensuring responsive design for optimal display on any device.
- Gained comprehensive knowledge of JavaScript to build fully functional web applications, utilizing Ajax for enhanced server-side functionality and data exposure.

IBM CAREER EDUCATION PROGRAM CERTIFICATIONS - IBM

- **Blockchain Fundamentals:** Mastered blockchain technology, distributed ledger concepts, and cryptography principles.
 - **Blockchain Developer:** Developed skills in smart contract implementation and decentralized application development.
 - **DevOps Fundamentals:** Learned CI/CD pipelines, automation tools, and infrastructure as code practices.
 - **DevOps, Agile & Design Thinking:** Integrated DevOps with Agile methodologies and user-centered design approaches.
 - **Agile Methodologies:** Mastered Scrum, Kanban frameworks, and iterative development processes.
 - **CERTIFICATIONS:** [Certification link](#)
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INVOLVEMENT

- **FITNESS AND PERSONAL WELLBEING:** 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.
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