

SIDDHARTH CHATURVEDI

chaturvedisiddharth008@gmail.com • +91 6261749804 • [Linkedin](#)

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

- Built strong relationships with 20+ clients and 3+ strategic partners, clearly explaining technical concepts to internal teams.
- Wrote production-ready code using modern frameworks like React, Node.js, Express.js, and MongoDB. Expanded a scalable MERN-stack web app for 10,000+ users.
- Independently formulated, modified, and debugged applications, boosting performance by 30% and cutting technical debt by 25%. Optimised RESTful APIs, reducing load times by 34% and enhancing user experience.

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

Brain Tumour Detection System

Nov 2024

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: <https://shorturl.at/wJJX7>

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.
- Acquired the ability to create dynamic web pages that automatically rearrange and resize based on the user's screen size.
- Gained comprehensive knowledge of JavaScript to build fully functional web applications, utilising Ajax for enhanced server-side functionality and data exposure.

MICROSOFT AZURE FUNDAMENTALS AZ-900 EXAM PREP SPECIALISATION (CURRENTLY PURSUING)

- Gaining foundational knowledge of cloud concepts, Azure services, and Azure workloads.
- Learning to manage cloud resources using the Azure portal, PowerShell, and Azure CLI.
- Understanding core solutions, including Azure AI, machine learning, and IoT.
- Developing skills in security, privacy, compliance, and trust within the Azure ecosystem.
- Preparing for the Microsoft Azure Fundamentals (AZ-900) certification exam with practical, hands-on labs.

INVOLVEMENT

FITNESS AND PERSONAL WELLBEING

- Regular engagement in structured strength training routines to enhance muscle strength, endurance, and overall physical health.
- Routine involvement in cardiovascular exercises to improve heart health, stamina, and metabolic efficiency.
- Cultivation of mental toughness and self-discipline through consistent and dedicated fitness practices.

BASKETBALL ENGAGEMENT

- Trained at a prestigious state-identified training centre, honing advanced basketball skills and techniques.
- Led the school nodal club team, demonstrating leadership and team-building abilities.
- Captained the team in inter-school competitions, fostering a spirit of sportsmanship and strategic play.

EXTRA CURRICULARS

- **Event Manager:** Successfully managed several events related to the annual fest adVITya of VIT Bhopal, showcasing organisational and leadership skills.
 - **Disciplinary Committee Member:** Played an active role in the disciplinary committee, ensuring the smooth conduct of events and maintaining order in the college.
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