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

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:** Github link

Automatic Number Plate Recognition System   **Oct 2023**

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**

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.