

# SUBODHINI

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## SUMMARY

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Final-year B.Tech Computer Science student with strong knowledge of data structures, algorithms, and object-oriented programming. Practical experience in frontend development using HTML, CSS, JavaScript, and React. Eager to contribute to software development teams and grow as a full-stack engineer.

## EDUCATION

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**B.Tech, Computer Science Engineering**  
VIT Bhopal University, Bhopal, Madhya Pradesh

**2022-2026**  
**CGPA: 8.41**


## TECHNICAL SKILLS

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**Programming:** Proficient in Java, JavaScript, TypeScript  
**Frameworks and Tools:** ReactJS, NextJS, Tailwind CSS, Excel, PowerPoint  
**Platforms:** VS Code, Eclipse IDE, PyCharm, Jupyter Notebook, Git  
**Additional Skills:** Data Structures and Algorithms, OOPs, Computer Networks, DBMS, Operating Systems

## LEADERSHIP EXPERIENCE


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**Omdena Local Chapter Challenge — Research Lead**  **Jan 2024-Mar 2024**


- Led a 6-week project leveraging Machine Learning (ML) and Computer Vision techniques to analyze brain scan images for early detection and diagnosis of Alzheimer's disease.
- Collaborated with cross-functional teams to develop and refine ML models, resulting in impactful insights for healthcare diagnostics.
- Gained hands-on experience in cutting-edge technologies and their application to real-world problems

## PROJECTS

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**IndieVibe – Fashion and Appointment Web Platform**  **Feb 2025 - May 2025**

- Built a full-stack fashion and appointment booking platform featuring gender-specific boutique listings, wishlist functionality, and secure authentication using NextAuth.
- Designed a responsive UI with Tailwind CSS and implemented dynamic routing, protected routes, and API integration with MongoDB.
- Added modular React components such as sliders, booking pages, and reusable session management wrappers to ensure scalability and maintainability.

**Be My Vision**  **Nov 2024 - April 2025**

- Collaborated on the development of an AI-powered assistive system using YOLOv8 and FastAPI to help visually impaired users perceive their surroundings through real-time object detection.
- Contributed to integrating large language models and Google Text-to-Speech to generate and vocalize natural scene descriptions for improved accessibility.
- Worked as a team to design a scalable backend architecture for real-time camera input processing, object recognition, and distance estimation.

## CERTIFICATIONS

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- The Bits and Bytes of Computer Networking – Google
- Generative AI – GUVI
- Cyber Security Analyst – IBM
- Devops fundamentals – IBM
- Cloud Computing - NPTEL

## ACHIEVEMENTS

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- Selected among top 11 teams nationally in the ZS Associates Campus Beats Challenge 2025.
- Awarded the Reliance Foundation Undergraduate Scholarship.