Resume

Personal details

Name	Madhav Bagrodia
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Github	github.com/mrmaddy10
Father's Name	Sushil Bagrodia

Profile

Ambitious and enthusiastic third-year Computer Science Engineering student with a strong programming foundation in Python, Java, and C++. I thrive in competitive environments like hackathons and coding competitions, where I turn complex problems into innovative solutions. My practical experience from internships and hands-on projects, including a prize-winning semiconductor mini-project, showcases my ability to blend theory with execution. Eager to embrace new challenges, I'm passionate about contributing to cutting-edge developments in technology and engineering.

Education

N.K. Bagrodia Public School, New Delhi, Delhi 2010-2022

Class 10 CBSE- 88.8%

Class 12 CBSE- 83.25%

Computer Science and Engineering SRM Institute Of Science & Technology, Chennai, Tamil Nadu 2022 - 2026

Skills

C++, Java, MySQL, Python, HTML and CSS, C, PostgreSQL, AWS, Linux, JavaScript, React

Experience

Web Development Intern
Digital Zero Pvt. Ltd. (On-site)
June 1, 2025 – July 14, 2025 (45 Days)
- Contributed to front-end and back-end development of live web projects using modern web technologies.
- Collaborated with developers to implement responsive UI/UX using HTML, CSS, JavaScript, and React (or your tech stack).
- Assisted in API integration, debugging, and optimizing performance for web applications.
- Gained hands-on experience with version control systems (Git) and agile workflows.
- Enhanced problem-solving skills and improved code quality through peer reviews and mentor feedback

Courses

Programming in Java NPTEL June	2023
Design and analysis of algorithms	2023
NPTEL Academic Process Mining	2024
Fundamentals Deliver Business Value with Celonis Process Automation	2024
Basics Fundamentals of Artificial Intelligence	2024

Achievements

1st Prize – Semiconductor Mini-Project (April 2023)
Outperformed competitors in a rigorous project competition, showcasing innovative use of semiconductors in solving real-world technical challenges.

Volunteer Work

- Conducted interactive workshops to teach young women fundamentals of Python programming, fostering computational thinking and problem-solving skills.
- Introduced creative digital skills through MS Paint, encouraging artistic expression and computer literacy.
- Helped participants build confidence in technology use, promoting digital empowerment and inclusion.

Projects

- Optimized Traffic Light System (IEEE paper project) — Developed a smart traffic light system that adjusts signal timing based on real-time traffic density using security cameras. Improved traffic flow efficiency by ~25%.
- AR Snake Game using Hand Gestures — (Unity) Designed a VR/AR version of the classic Snake game where players control direction with hand gestures using a camera input.