Jai Sandhu

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EDUCATION

VIT Bhopal University — Bhopal, Madhya Pradesh, India
BTech Computer Science, CGPA: 8.40 — *October 2022 - 2026*

DAV Public School — Pushpanjali Enclave, Delhi, India
Higher Secondary Education, Percentage: 83.8% — *March 2021 - 2022*

DAV Public School — Pushpanjali Enclave, Delhi, India
Secondary Education, Percentage: 85.16% — *March 2019 - 2020*

TECHNICAL SKILLS

Frontend Technologies: HTML, CSS , JavaScript , Bootstrap
Backend Technologies: Node.js, Express.js, REST APIs
Tools-Platforms: Git, GitHub, Postman, Arduino IDE, AWS (Polly, EC2 basics), Microsoft Teams, Planner

PROJECTS

GarbageSense
Arduino IDE, Embedded C/C++ — *March 2025*

- Designed and developed an intelligent dustbin monitoring system using Arduino Uno and ultrasonic sensors to measure garbage levels in real time. Integrated with a Node.js backend and MongoDB for data logging, and implemented alert functionality to notify users when bins reach capacity . Recognized by the project supervisor for its innovation and recommended for patent filing.

URL Shortner
Nodejs, MongoDB — *February 2025*

- Developed a URL Shortener application using Node.js and MongoDB to create concise, shareable links. The platform allows users to input long URLs and generates shortened, unique aliases for easy sharing.

Parkease-Parking Website
OpenCV ,Ocr,HTML,CSS,JS — *2024*

- ParkEase is an innovative software solution designed to help parking lot operators efficiently manage and organize parking spots. With its user-friendly interface, ParkEase enables operators to monitor real-time parking availability, allocate spaces, and streamline the booking process.

CERTIFICATIONS

- **Bits and Bytes of Computer Networking**
- **Cloud Computing Certification**
- **UI/UX Design Course**
- **Digital Marketing Digital Garage**

EXTRACURRICULAR ACTIVITIES

- **Design Team Lead of Null Student Chapter** (CyberSecurity) - Created Various Graphic Designs and posts for official Instagram of the Club.   Instagram

INTERNSHIP

Anuvrittiksha (HowToAlgo) — Remote
Intern - Worked with Canva, AWS Polly, S3, and GitHub — *December 2024 - February 2025*

- Developed and designed Computer Science materials using Canva, enhancing brand visibility and engagement.
- Utilized AWS Polly for text-to-speech conversion, improving accessibility for content.
- Managed and stored data efficiently using AWS S3, ensuring secure and scalable storage solutions.
- Collaborated with the team using GitHub for version control and project management.

ADDITIONALS

- **Hindi**
- **English**
- **Japanese (Learning)**