

# Jai Sandhu

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## EDUCATION

### VIT Bhopal University

BTech Computer Science, CGPA: 8.38

### DAV Public School

Higher Secondary Education, Distinction

### DAV Public School

Secondary Education, Distinction

Bhopal, Madhya Pradesh, India

October 2022 - 2026

Pushpanjali Enclave, Delhi, India

March 2021 - 2022

Pushpanjali Enclave, Delhi, India

March 2019 - 2020

## TECHNICAL SKILLS

**Programming Language:** Java

**Frontend Technologies:** HTML, CSS , JavaScript , Bootstrap , Tailwind , Next.Js

**Backend Technologies:** Node.Js, Express.Js, REST APIs

**Tools-Platforms:** Git, GitHub, Postman, Arduino IDE, AWS (Polly, EC2 basics),Illustrator, Figma, Photoshop, InDesign, CorelDRAW

**Core knowledge:** OS,Computer Networks,SQL

## PROJECTS

### AI Sort Video Generator

Next.Js,React.Js, Tailwind, AI, Clerk, Neon

June 2025

- Built a sleek, AI-driven web app that auto-sorts and generates videos based on user behavior and metadata. Leveraged Next.js and Tailwind for a fluid UI, integrated Clerk for seamless auth, and used NeonDB for scalable data handling. The intelligent engine personalizes video delivery, creating an engaging and dynamic user experience.

### GarbageSense

Arduino IDE, Embedded C/C++

March 2025

- Developed an intelligent IoT-based system to monitor garbage levels in real-time using Arduino and ultrasonic sensing. Integrated with Node.js and MongoDB to push live data to the server and trigger SMS alerts when bins reach capacity. Designed to streamline waste collection through timely notifications and promote efficient urban sanitation.

### URL Shortener

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.

## CERTIFICATIONS

- Introduction to Natural Language Processing
- Cloud Computing Certification
- User Experience Design Course

## EXTRACURRICULAR ACTIVITIES

- **Design Team Lead of Null Student Chapter** (CyberSecurity) - Created Various Graphic Designs and posts for official Instagram of the Club. [Instagram](#)
- **Enthusiastic Design Creation** - Created Various Graphic Design using Adobe Creative Suite. [Portfolio](#)

## INTERNSHIP

### Anuvrittiksha (HowToAlgo)

Remote

Intern — Canva, AWS Polly, S3, and GitHub

December 2024 – February 2025

- \* Created visually engaging educational content on Computer Science topics using Canva, enhancing learner experience and content visibility.
- \* Implemented AWS Polly for high-quality text-to-speech integration, improving accessibility for digital learning materials.
- \* Managed content storage and version control using AWS S3 and GitHub, gaining hands-on experience with cloud storage and collaborative development tools.

## ADDITIONALS

- Hindi
- English
- Japanese