Jay Bhuptani

jaybhuptani10@outlook.com — +91-8141242093

github.com/jaybhuptani10 — jaybhuptani.vercel.app

Education

Unitedworld School of Technology, Karnavati University	2022 – 2026
B.Tech in Computer Science and Engineering CGPA: 8.86 (6 Semesters)	
Airport School, Ahmedabad	2021 – 2022
CBSE Class XII Aggregate: 89%	
IDP School, Ahmedabad	2019 – 2020
CBSE Class X Aggregate: 81%	

Technical Skills

Languages: JavaScript, Python, Bash, Java, C
Frameworks/Libraries: React.js, Node.js, Express, Redux, Next.js, React Native, Tailwind CSS
Databases: MongoDB, MySQL, PostgreSQL
Tools/Platforms: AWS, Firebase, Git, GitHub, Postman, Vercel, Figma, Linux, IBM Cloud

Work Experience

ISRO - Space Applications Centre (SAC) — Research Intern   Jun 2025 – Aug 2025
- Designed and launched a WebGIS platform visualizing 7 satellite oceanographic datasets and 200,000+ data points for Andaman Nicobar, accelerating research workflows
- Enhanced data processing pipelines, reducing GIS load times by 60
- Developed multi-layer mapping features, integrating vector overlays (internal solitary waves, boundaries) with real-time analytics for 50+ scientists and operational staff
- Implemented region-specific analysis modules, supporting climate monitoring and marine operations across 5+ use cases

Data Vidwan — Full Stack Developer Intern   Apr 2025 – Jun 2025
- Delivered two full-stack apps (React.js, Node.js, REST APIs) to boost client analytics, increasing user engagement by 35
- Deployed scalable AWS architecture, improving uptime by 90

Projects

Elderly Health Monitoring System   *MERN, ML, Python, ESP32*
- Synthesized real-time data streams from 3+ IoT sensors for remote health monitoring of 20+ elderly patients
- Automated alerts and data analytics via React dashboards, increasing health intervention speed by 30

health-tracker-one-orcin.vercel.app

UptoDate Dating App   *React Native, MERN, ML, AWS*
- Trained ML algorithms on 20,000+ user profiles to improve matchmaking accuracy and filter recommendations
- Integrated chat and swiping features, providing a seamless experience for 1,000+ active monthly users

upto-date.vercel.app

CinemaVault   *MERN Stack*
- Developed persistent tracking and smart recommendation tools for 1,000+ movie titles

cinevaultt.vercel.app

EcoEats Waste Management App   *MERN Stack*
- Directed development and launch of donation management system, handling 500+ drop-offs

eco-eats-delta.vercel.app

Portfolio Website   *React*

- Built a responsive personal portfolio with 10+ live projects and technical blogs
jaybhuptani.vercel.app

Research Publication

Title: Smart Matchmaking via Semantic Embedding: An NLP-Based Model for Compatibility in Online Dating
Conference: 16th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025)
Venue: IIT Indore   **Organizers:** IEEE EPS and AICTE
Date: July 6–11, 2025
Presented and published as part of official conference proceedings

Achievements

- Winner, GTU Code Unnati Innovation Marathon 3.0 (250+ teams)
- Winner, Karnavati University Hackathon (120+ participants)

Positions of Responsibility

GFG Campus Mantri – Geeks for Geeks   Apr 2025 – Present
- Led 5+ workshops, bootcamps, and coding sessions for 300+ students; organizing 3 upcoming inter-college hackathons