

Harsha Vardhan

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IIT Bhubaneswar

Electronics and Communication Engineering
4th Year Undergraduate



Education

Year	Degree/Examination	Institute	%/CGPA
2021-Present	4-Year Bachelor of Technology (ECE)	Indian Institute of Technology Bhubaneswar	7.84/10
2021	Std. XII (ISC)	Loyola School, Bhubaneswar	95%
2019	Std. X (ICSE)	Loyola School, Bhubaneswar	96%

Projects

EchoChat [Project Link](#)

(September 2023 - October 2023)

- EchoChat is a versatile chatting platform designed to make your online interactions both engaging and effortless.
- 1-to-1 and group chat features with video meetings and an AI chatbot optimized to assist you in everyday conversations.
- Real-time notifications with clean and intuitive user interface
- Tech-Stack (7): Next.js, TypeScript, Tailwind, Zapier, Clerk Auth, ZegoCloud and GetStream.

Smart Naka [Project Link](#)

(December 2022 - January 2023)

- It can instantly check a queried vehicle against the government's central stolen vehicle database to verify its status.
- Advanced Search options with a feature to save or share a PDF with full details of the retrieved stolen vehicle.
- Real-Time Camera Scan: Checks vehicle numbers from the camera feed for stolen status (Feature in development).
- Tech-Stack (3): React Native, TypeScript and Figma.

Hostel Management Portal [Project Link](#)

(September 2022 - October 2022)

- Web platform for lodging hostel complaints, including public upvoting for increased visibility and attention from administration.
- Admin side has 3 features, 'Accept', 'Reject' or 'Escalate' the complaint to higher authorities.
- The website (<https://hmp.webnd.iitbbs.org/index.php>) will be deployed for all 5 hostels (2500+ residents approx) at IIT Bhubaneswar.
- Tech-Stack (4): HTML5, Bootstrap, PHP and MySQL.

Internship Experience

Imbesideyou Inc. (Tokyo, Japan)

(May 2024 - Present)

Software Developer Intern

- Developed an admin internal tool and migrated 170,000+ lines of code to Ionic Capacitor Android.
- Designed complex database relationships using PostgreSQL (Prisma), implementing FTS with sub-200ms query latency.
- Automated email services with Nodemailer and AWS SES, and integrated audio analyzers, video GPU, and AI avatars.
- Implemented CI/CD for Docker on AWS ECS, optimizing API calls and authentication with AWS Cognito and Amplify.

IEEE Bombay Section

(September 2023 - October 2023)

Full-Stack Developer Intern

- Designed the [UI](#) from scratch and developed the detailed [System Design](#) and userflow.

Scholastic Achievements

- 3rd position in CodeRelay Hackathon: My 3-member team developed a web-based Complaint Management Portal.
- Our team made the top 25 finalists among 1000+ participants across India in the Ethos Hackathon by IIT Guwahati.
- Silver Medal (Mid-Prep) and Bronze Medal (Low-Prep) in Inter IIT Tech Meet 11.0, IIT Kanpur.
- Secured All India Rank of 3,348 among 1.25+ lakhs candidates in Joint Entrance Examination (JEE Advance) 2021.
- Certificate of appreciation for qualifying for National Talent Search Examination (NTSE 2018-19).

Key Skills

Programming Languages: C, C++, JavaScript, TypeScript

Tools: Git and Github, Postman, GCP, AWS, Docker, DevOps Linux, Figma (UI/UX)

Framework: Next.js, React.js, React Native, Ionic Capacitor, Node.js

Data Structures and Algorithms: [LeetCode](#), [GeeksforGeeks](#)

Soft Skills: Strong leadership, Communication, Adaptability skills, Teamwork, and Positive Attitude

Positions of Responsibility

Neuromancers (Programming Society), IIT Bhubaneswar

(June 2023 - June 2024)

Software Development Club Head

- Spearheaded WinterCode Dash, 4 weekend hackathons fostering institute student innovation.