

Himanshu Jaroli

🌐 himanshujaroli.netlify.app | [in himanshu-jaroli](https://in.himanshu-jaroli) | [HJIX](https://www.linkedin.com/company/hjix) | ✉ jaroli.himanshu.work@gmail.com | ☎ 7615968802

Proficient Software Engineer with 3+ years of experience in designing, developing, and deploying applications using diverse technologies and programming languages.

EXPERIENCE

Tata Consultancy Services, Pune

Software Engineer – DEC 2023 – PRESENT

TypeScript, React.js, Shadcn, Tailwind CSS, Node.js, Express.js, PostgreSQL, Prisma, Next.js

- Contributed to a **SaaS** platform for high-quality product delivery and talent engagement.
- Worked closely with the design team to ensure **consistent & high-quality UI** in **React.js** and implemented UI components like **conversational AI workbench, artifact viewers, code editors** etc.
- Developed a suite of **REST APIs** in **Node.js** using **Express.js** and performed **optimizations** reducing the server response time by **20%**.
- Developed **AI Agents** using **Next.js, Vercel AI SDK, GPT-4o, Llama embedding models** and **Qdrant vector store** reducing user's job execution time by **62%**.

Product Engineer – AUG 2022 – NOV 2023

TypeScript, React.js, Material UI, Tailwind CSS, Java, Spring boot

- Worked on a product focused on developing **digital experiences** through high-level **intent specification** reducing the development time by around **85%**.
- Developed **end-to-end application features**, including comprehensive **APIs** in **Java (Spring Boot)** and frontend solutions in **React.js** for **no code development**.
- Utilized **GPT-4** models for creating **generative assistance** for users.
- Built a **VS Code extension** to support, assist and augment intent specification creation.

Tata Consultancy Services, Kolkata (Remote)

Project Intern – JUN 2021 – AUG 2021

JavaScript, React.js, react-three-fiber, Material UI, Python, OpenCV, MediaPipe

- Developed a **Virtual Trial Room** application enabling users to try on clothes using **AR** technology.
- Built frontend using **React.js** and used **react-three-fiber** to superimpose **3D** clothing models, achieving a success rate of **94%**.
- Used **OpenCV** and **MediaPipe** in Python for **AR vision** and **object detection**.

Humaps, Rourkela (Remote)

Web Developer – JAN 2021 – MAR 2021

JavaScript, React.js, Material UI, Node.js, Express.js, MongoDB Atlas

- Contributed to the development of a **hyperlocal e-commerce platform** for spare parts & AMC services.
- Built **RESTful APIs** using **Express.js** as the backend framework and **MongoDB Atlas** as the database.
- Developed **responsive UI components** using **React.js** and **Material UI**.

EDUCATION

Bharati Vidyapeeth University, Pune JUL 2018 – JUL 2022

B.Tech in Computer Science and Business Systems | **CGPA – 9.26**

SKILLS

- Languages:** TypeScript, JavaScript, Java, Python, HTML/CSS
- Technologies:** React.js, Next.js, Node.js, Express.js, Spring Boot, Docker, PostgreSQL, MongoDB, JEST, GIT, AWS, Zustand, React Query, Tailwind CSS
- Concepts:** Object Oriented Programming (OOP), Design Patterns, REST API, Agile development, Micro service architecture, MVC, Flux, Component-based architecture, Root Cause analysis.

PROJECTS

- Call-buddy** – *React.js, Firebase, WebRTC* <https://call-buddy-two.vercel.app>
A seamless video calling app powered by WebRTC.
- CinePlanet** – *Next.js, Express.js, Spring Boot, PostgreSQL, Prisma* <https://cine-planet.vercel.app>
A movie booking platform that efficiently handles concurrency during simultaneous ticket booking.

AWARDS & ACHIEVEMENTS

- Recognized with the **Young Innovator** award by **TCS CTO, Dr. Harrick Vin** for building project POC on generative AI assistance and RAG.
- Awarded **Star Performer of the Month**, for **2** consecutive months and **3** times in total.
- Won **StartUp Conclave 2.0** by pitching the idea of **Wisey**.