

# MITALI TAYAL

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## SUMMARY

Software Developer with **2.5+** years of experience building scalable web applications using **React.js, TypeScript, and Node.js** at HERE Technologies. Experienced in **REST API** integrations, modular architecture, reusable component systems, and production support. Seeking to expand into backend-focused and full-stack development roles.

## EDUCATION

### BENNETT UNIVERSITY (Times of India Group), Greater Noida

Bachelor of Technology in Computer Science

2019 -2023

CGPA: 8.5

### DELHI PUBLIC SCHOOL, MEERUT

12<sup>TH</sup> | CBSE BOARD | 89%

2018 - 2019

10<sup>TH</sup> | CBSE BOARD | 10 CGPA

2016 – 2017

## WORK EXPERIENCE

### HERE Technologies — Software Developer II

July 2023 - Present

- Developed and enhanced the **Mapmaking UI (MMUI)** using **React.js, TypeScript, Node.js, Vite, Tailwind CSS, and HERE XYZ mapping library**, improving scalability, maintainability, and developer productivity.
- Structured and maintained a clean **repository architecture** with **modular directories, reusable React components**, shared helper functions, and centralized utilities to support scalability across application modules.
- Contributed to HERE's centralized design system, building reusable React components in **Storybook** to ensure UI consistency across multiple products and speed up feature delivery by 20%.
- Integrated **REST APIs** for real-time **geospatial data visualization**, reducing manual workflows and accelerating decision-making for internal users.
- Engineered advanced geospatial features including **clustering and heatmaps** to efficiently render millions of data points with optimized performance.
- Designed and implemented **Figma mockups** into production-ready, pixel-perfect UI components, ensuring design consistency and improved user experience.
- Optimized UI/UX workflows, including **error handling**, process monitoring, and **performance tuning**, leading to a more reliable and intuitive user experience.
- Conducted comprehensive **manual testing, code reviews**, and performance optimizations to ensure high code quality, maintainability, and system reliability.
- Collaborated cross-functionally with product, design, and backend teams in an **Agile environment** to deliver multiple end-to-end features.
- Worked with **Node.js** services to consume and **validate APIs**, handle data transformation, and manage application logic.
- Actively supported **on-call operations**, troubleshooting production issues and assisting internal users during high-impact scenarios to ensure system stability.
- Technical Skills:** Tech Stack: Node.js · React · TypeScript · Vite · Tailwind CSS · REST APIs · HERE XYZ Mapping Library · Figma

### HERE Technologies — SDE Intern

July 2022 – July 2023

- Designed and executed **automated test suites in Cypress** and authored **Zephyr test cases**, improving QA coverage and reducing regression testing effort.
- Collaborated with developers to debug issues, validate features, and ensure **high-quality releases** of MMUI.
- Learned and applied **React.js, TypeScript, and HERE XYZ mapping library** for geospatial rendering and UI improvements.

### OSMOSYS — Technical Summer Intern

May 2022 – June 2022

- Enhanced programming expertise in **C, C++, Python, JavaScript, and SQL** through practical application of **Harvard CS50** coursework.

## SKILLS

- Languages:** JavaScript, TypeScript, Python, C/C++, SQL, HTML, CSS
- Frontend:** React.js, Redux, Tailwind CSS, Vite
- Backend:** Node.js, REST APIs, API Integration
- Architecture & Concepts:** Modular Architecture, Component Design, Code Reviews
- Testing & DevOps:** Cypress, Manual Testing
- Tools:** Git, JIRA, Storybook, Figma

## PROJECTS

### MAINTAIN GAP (Automated Screening System - Safety Measure from Covid 19)

[Python, OpenCV, TensorFlow, PostgreSQL, Flask]

- Equipped to check the surface body temperature of an individual using manual user and well-trained in performing facial recognition & face-mask detection.
- Worked on **Facial Recognition** using **TensorFlow** and **Keras**.

## ADDITIONAL EXPERIENCE

### Homeflic Wegrow — Human Resource Associate

November 2020 - February 2021

- Managed a team of 150+ interns in the sales department.
- Generated a revenue of around **Rs. 2 lakhs** for the company.

### GeeksforGeeks (Bennett University) — Design Co-Head

August 2020 – August 2021

### Sports Community (Bennett University) — Design Team Member

September 2020 – May 2021

## ACHIEVEMENTS

- Secured 2nd place in HERE global hackathon (Mumbai) by developing a standalone map viewer for enhanced map visualization.