

Harsh Singh

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EDUCATION

National Institute of Technology, Patna
B.Tech in Electronics & Communication Engineering

CGPA: 8.74
2021-2025

EXPERIENCE

SDE Intern

March '25 - Sept '25

Mortars Technologies Pvt. Ltd. | Javascript, React.js, Razorpay Blade UI Library, Mixpanel

Remote

- Created the requirements for notification module, covering the 1.design, 2.frontend and 3.backend perspective.
- Implemented 1.in-app notification UI to ensure a smooth user experience, and 2.integrated real-time foreground notifications via FCM(Firebase Cloud Messaging), completing nearly 45% of the notification module.
- Assisted in designing and configuring an AWS S3 pipeline to export user personas, including 1.like, 2.share, and 3.comment analytics, from Mixpanel, based on client-side interactions in the app's social feature, enabling personalized feed recommendations.
- Designed page-wise analytics requirements for Mixpanel, enhancing the CTR by 53.2%.
- Integrated site-map feature to show preview on share to different channels like 1.whatsapp, 2.twitter and 3.facebook.
- Led and delivered the location-access feature by integrating internal services with Google Maps APIs, implementing efficient state management to ensure a seamless user experience and successfully meeting critical business use cases.
- Developed the homepage feed for the e-commerce module, ensuring UI consistency and seamless API integration.
- Contributed 20,000+ lines of robust production-ready code, prioritizing code quality, scalability, and performance, while aligning with design best practices to deliver sustainable and high-impact solutions.

PROJECTS

Jobire | *Live Project* | **GitHub** | React.js, Firebase & Tailwind CSS

June-24

- A web-based job searching platform offering 1. Advanced filtering options 2. Personalized job search.
- Integrated Firebase authentication to manage secure user login and designed 2 core features 1. referral request system and 2. job posting feature leveraging Firebase Realtime Database for efficient data management.

PuppeterShala | **GitHub** | React.js, Node Puppeteer, Express.js, MongoDB, & Tailwind CSS

Mar-25

- Built a web-based application using Node Puppeteer to automate job application process reducing manual effort and enabling users to apply top 10 opportunities on Internshala application within minutes.
- Implemented 1.secure authentication, 2.API integration, maintaining users' credential safety.
- Empowered users to personalize applications by saving and modifying custom messages, while securely storing login credentials to automate the entire job application process.

TECHNICAL SKILLS

- **Languages:** C++, HTML, CSS, JavaScript, & SQL
- **Developer Tools:** Git, CI/CD Pipeline, Postman & MySQL Workbench
- **Libraries and Frameworks:** React.js, Node.js, Express.js
- **Database & Cloud:** SQL & Google Firebase
- **Coursework in Computer Fundamentals :** Fundamentals of Operating Systems (OS), Database Management System (DBMS), & Object-Oriented Programming (OOP)
- **Areas of Interest:** DSA, Web Development
- **Soft Skills:** Leadership, Teamwork, & Communication

ACHIEVEMENTS

- Secured a position among the top **9.32%** of the LeetCode coding community with a maximum rating of **1760**.
- Secured global rank **1146** in LeetCode's Biweekly Contest 135. | Ranked in top **2%ile** in **JEE 2021**
- Won 1st place in NIT Patna's Geek'O Brain Coding Contest among 20+ participating teams.
- **Coding Portfolio:** [LeetCode](#) | [GFG](#)