

# Harsh Sharma

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## WORK HISTORY

### Mobileum

Jan 2024 – Present

*Associate Software Engineer*

*Bangalore, India*

- Engineered an **Ad-Hoc Reporting System** using **ReactJS**, **REST APIs**, and **Apollo GraphQL**, enabling users to dynamically select specific columns from database tables and export data in CSV format. **Optimized data retrieval** to efficiently handle **50+ million records** in under **4 seconds** from an **Elasticsearch** database via **Trino**.
- Achieved a 94% reduction in load times** by implementing **indexes and partitions in PostgreSQL**, alongside optimizing complex SQL queries to support large-scale datasets (over **100 million records**).
- Developed a secure data export service** to enable continuous export of data generated at regular intervals to external servers via **SCP**, **SFTP**, or **RSYNC** protocols. **Ensured data security** by encrypting files using **AES-256** encryption before transfer.

### Yapita Health

May 2023 – Nov 2023

*Software Engineer Intern in Product Development*

*Gurugram, India*

- Engineered an innovative form-filling feature using **Formik**, **ReactJs**, and **Apollo Client**, seamlessly integrated with a **Ruby on Rails** service and **Graphql**. This dynamic solution generates PDFs from a pre-developed template, eliminating the need for cloud storage and maximizing resource efficiency by 100%.
- Enhanced payment experience by integrating PhonePe Payment Gateway on both frontend and backend. Developed a secure **Ruby on Rails REST API** for transactions and implemented real-time Zoho Invoice generation with automated customer email dispatch.

## PROJECTS

### ONNRENT 🌀 | Javascript, ReactJS, NodeJS, ExpressJS, MongoDB

- 1. **Engineered Email Verification Service** via OTP in ReactJS, NodeJs.
- 2. **Redesigned multiple screens** with a focus on **clean, intuitive UI** to enhance overall **user experience** and streamline workflows.

### E-Commerce Dashboard 🌀 | ReactJs, MongoDB, NodeJs, ExpressJs

Jan 2022 – July 2022

- 1. Reinforced an E-Commerce Dashboard to enable users to track product inventory, quantities, and pricing, utilizing **React.js** for frontend development and **Node.js with Express.js** for backend services.
- 2. Developed **REST APIs** to optimize data flow between the frontend and backend, leveraging **MongoDB and Mongoose** for database operations.
- 3. Implemented **User Authentication** with sign-in and sign-up functionality, utilizing **JWT (JSON Web Token)** for secure session management and subsequent operations.

## ACHIEVEMENTS

- Solved 1500+ **Data Structures and Algorithms** problems on various online coding platforms such as **LeetCode 🌀** | **GeeksForGeeks 🌀** | **CodingNinja 🌀**
- Secured **All India Rank 5th** position nationwide in the **Healthkart Hackathon**, June 2022

## TECHNICAL SKILLS

**Core:** Data Structure and Algorithms, Operating System, Database Management System, Computer Networks.

**Languages:** ReactJS, NodeJS, MongoDB, C/C++, Python, Java, NextJs, SQL, JavaScript(ES6), Ruby on Rails

**Developer Tools:** Visual Studio Code, GitHub, IntelliJ, Eclipse, Git

## EDUCATION

### Graphic Era University

Dehradun, India

*B.Tech in Computer Science and Engineering | CGPA : 8.91/10*

*June 2019 – June 2023*

### Holy Cross Sr. Sec School

Laksar, Uttarakhand

*Class XII | SCORE : 95.6%*

*May 2018 – May 2019*

### Holy Cross Sr. Sec School

Laksar, Uttarakhand

*Class X | SCORE : 10/10 CGPA*

*May 2016 – May 2017*