

# Harshal Vaidya

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## OBJECTIVE

Dedicated and ambitious software engineer with three years of industry experience and a passion for learning and creating. Searching for a role that values collaboration and communication, challenges to take on responsibilities, work diligently and further advances technical abilities to facilitate team's success.

## EDUCATION

**Stevens Institute of Technology, Hoboken, NJ** **May 2023**  
Master of Science | Major: Computer Science

**Vidyanidhi Infotech, Mumbai, India** **Feb 2018**  
Post Graduate Diploma | Major: Advanced Computing

**University of Mumbai, Mumbai, India** **May 2017**  
Bachelor of Engineering | Major: Information Technology

## SKILLS

- **Languages:** C, C++, Java, JavaScript, Python, PL/SQL, HTML, GraphQL
- **Database:** MySQL, MongoDB, PostgreSQL, SQL, Oracle
- **Web Development:** Node.js, React, Express.js, Redux, Redis, Bootstrap, CSS, Socket.IO, Firebase
- **CI/CD:** Heroku, Netlify | **Tools and Software:** GraphicsMagick, Nodemailer, EmailJS

## EXPERIENCE

**3i-Infotech | Software Engineer** **Mar 2018 – Dec 2020**

- Maintained optimal performance and achieved a 30% increase in order volume by addressing growing transaction volumes through regular scalability, capacity assessments and implementing order execution systems through **design patterns**, enhancing **C/C++** code and making necessary adjustments to **SQL stored procedures**
- Achieved 24.96% investment growth, reducing risks through diversified portfolios, recommended stock allocation, and regular performance reviews using **PL/SQL** to develop subscription-based advisory portfolio service
- Improved profit and loss assessment by collecting and analyzing client investment data utilizing **Oracle**, and building an agent onboarding module with **C/C++** enabling efficient customer support
- Developed monitoring and alerting systems using **shell script**, resulting in 50% decrease in critical system failures

## ACADEMIC PROJECTS

**House of Books** **May 2022**

- Improved page loading time and reduced load on server by employing **Redis**, integrated **Redux** to limit application complexity and developed search functionality for users leveraging **React** components to find specific books.
- Set up **Heroku** and **Netlify** to automate and ensure a reliable, scalable hosting solution for application. Automated creation of an image applying **GraphicsMagick** for customizable text, saving it as a PNG file in a specified directory
- Executed firebase for **JWT** based user authentication and seamless storage and data retrieval from **NoSQL** database

**Stevens Care** **April 2022**

- Created a web app utilizing **Node.js**, **Express.js**, and **MongoDB**, enhancing patient access to virtual consultations, optimizing healthcare experience, and integrating real-time chat functionality with **Socket.IO** to facilitate instant communication between patients and healthcare providers, improving responsiveness and collaboration

**My Parking Assistant** **Nov 2021**

- Implemented responsive and intuitive user interfaces (UI) making use of modern front-end technologies like **HTML**, **CSS**, and **JavaScript**, creating a user-friendly experience across different devices and browsers
- Integrated geolocation services and **mapping API** to provide accurate location information, interactive maps for efficient parking spot selection and incorporated **nodemailer** to send email notifications to users

## ACTIVITIES

**Stevens Institute of Technology | Graduate Peer Leader, Graduate Student Life** **Aug 2022 – May 2023**

- Provided mentorship, academic advice, and coordinated activities for graduate students, aiding in curriculum navigation, course selection, academic decision-making, and facilitating a smooth settlement on campus