

Harshal Vaidya

harshal.vaidya300@gmail.com | 201-724-6059 | LinkedIn | GitHub | [Portfolio](#)

OBJECTIVE

Dedicated and aspiring software engineer with 3 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 thoroughly and further advances technical abilities to facilitate the team's success.

EXPERIENCE

Software Engineer | Breathing.ai | Jersey City, NJ Sept 2023 - Present

- Developed core features of browser extension, including personalized color filtering, and guided breaks using **React** and **TypeScript** to promote user health, receiving positive feedback from 100+ users and app store reviewers
- Implemented a color onboarding feature, engaging users with diverse colors using **JavaScript** while capturing and storing individual heart rate during screen time for an improved and personalized user experience
- Resolved a bug by implementing an automatic closure for the RPPG selfie video upon notification time completion
- Enhanced product's user interface by creating new **React** components and **Tailwind** based web pages, contributing to a more intuitive and user-friendly design for 1000+ customers

Software Engineer | 3i-Infotech | Mumbai, India Mar 2018 - Dec 2020

- Maintained optimal performance and gained a 30% increase in order volume by addressing growing transaction volumes through regular scalability, capacity assessments and implementing order execution systems through 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
- Performed profit and loss assessment by collecting and analyzing client investment data utilizing **Oracle**, and building an agent onboarding module with **C/C++** enabling efficient support for 3M customers
- 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 by 0.5ms 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 book
- Set up **Heroku** and **Netlify** to automate and ensure a reliable, scalable hosting solution for application. Automated creation of a profile image for 30+ users by applying **GraphicsMagick** for customizable text, saving it as a PNG file
- Executed **Firebase** for **JWT** based authentication, allowing users to log in securely and access authorized resources

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 for 20+ users across different devices and browsers
- Integrated geolocation services and **Google Maps API** to provide accurate location information, interactive maps for efficient parking spot selection and incorporated **Nodemailer** to send email notifications to users

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

- Provided mentorship, academic advice, and coordinated activities for 500+ graduate students, aiding in curriculum navigation, course selection, academic decision-making, and facilitating a smooth settlement on campus
- Achieved 3rd prize in a technical poster presentation competition

EDUCATION

Stevens Institute of Technology, Hoboken, NJ May 2023

Master of Science | Major : Computer Science | GPA : 3.9/4

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, TypeScript
- Database** : MySQL, MongoDB, PostgreSQL, SQL, Oracle
- Web Development** : Node.js, React, Express.js, Redux, Redis, Bootstrap, HTML, CSS, Tailwind, Firebase
- CI/CD** : Heroku, Netlify
- Tools and Software** : GraphicsMagick, Nodemailer, EmailJS, Google Maps API, Docker