

Harsh Jobanputra

harshjobanputra.ml | <https://www.linkedin.com/in/harsh-jobanputra-0b1020179> | <https://github.com/harsh2201> | hjobanputra@horizon.csueastbay.edu | +1 (510) 894-9975 | San Francisco Bay Area, CA

Full Stack, UI/UX, System Design, Data Science

SUMMARY

Enthusiastic full-stack developer, skilled in React.js, Node.js, React Native, and Django. Seeking to deliver high-quality websites/apps. Delivered 6+ freelance projects to clients all over the world with maximum client satisfaction, contributed to 25 GitHub projects, and completed 15+ personal front-end development projects.

SKILLS

Programming Languages: JavaScript, Python, C, C++, Java

Databases: Firebase, Mongo DB, MySQL, SQL, SQLite

Framework/Library: React.js, React Native, AngularJS, Android (Java), Node.js, Flask, Django, Pandas

Tools: Jupyter, GCP, Google OAuth 2.0, Facebook Login, Docker, Bootstrap, REST APIs, Git, GitHub, Bitbucket, Team Foundation Server (Azure DevOps Server), Postman, Jira, Trello

Additional Skills: Agile project management, Scrum, API Design and Integration, Unit testing, Wireframing, and Prototyping

EXPERIENCE

Graduate Student Assistant | California State University East Bay

September 2021 – Present

- Established session and cookie management utilities on top of Flask and SocketIO.
- Developed session timeouts for guests and LTI users.
- Deployed the web service with docker container in AWS EC2.
- Directly led a team of student assistants and worked on migration of chatbots from Dialogflow to the local in-house built NLP engine.
- Core features Q&A for students, automated test assessment, and plug-and-play for all courses, which reduced in-person discussion/tasks for professors by 30%.
- Handled monthly release cycle: summarize scope, test in staging environment, collaborate with Change Control, and deploy to production.

Front End Developer | Stargate Club

April 2021 – July 2021

- Developed a web-based application using React JS.
- Used Redux for state management along with React JS.
- Built carousels, grid tables, forms, catalogs, carousels, routers, etc.
- Used webpack and Babel as dependencies for the application.
- Created cross browser compatible and Responsive web pages using Flexbox, Bootstrap, Bootstrap modals and CSS3.
- Worked on integrating APIs with MVC pattern.
- Used Jest for testing the application.
- Worked in Agile environment, had biweekly sprints.

Data Science Intern | Thomson Reuters

November 2020 – June 2021

- Developed NLP model for classification of human-readable text into machine logic.
- Delivered a testing software for creating dynamic test cases which increased code coverage from 10% to 85-90% and decreased human efforts significantly.
- Created Django REST API to auto-generate reports for testing Thomson Reuter's flagship product named Onvio.
- Setup full CI/CD pipelines so that each commit a developer makes will go through the standard process of the software lifecycle and get tested well enough before it can make it to production. Helped individual teams to set up their repositories in Team Foundation Server and maintain their code and help them setting up jobs that can make use of the CI/CD environment.

Personal Projects

Personal Portfolio Website - <https://harshjobanputra.ml>

March 2020

- Developed in React.js, hosted on Firebase, configured CI/CD so that only a commit will test, build and deploy to production.
- Responsive to all device sizes, SEO of score 100, cross-browser compatibility
- Well maintained project structure with well-defined and detailed React components.
- Researched UI/UX to build easy to read, attractive, and intuitive website.
- Setup DNS and CDN along with DDoS mitigation on Cloudflare.
- Used Gatsby.js for a head start.

Technologies used: React.js, GraphQL, Material UI, styled-components, Firebase (Hosting, Storage), Cloudflare, Google Analytics, GitHub actions

Smart Gujarat Hackathon Event Management App - [Demo](#)

February 2020

- Developed app in React Native, hosted the backend on Firebase, and used Firebase's real-time database.
- Completely prototyped app.
- Built QR code scanning module.
- Used database transactions and made database ACID compliant.
- Smooth and pixel-perfect UI.
- Managing the attendance of 1200+ participants through QR code and keeping track of 1400+ people for food.

Technologies used: React Native, Firebase (Real-time database, analytics, authentication), Sentry.

Charusat Valentine

January 2019

- Developed in core Android, hosted on Google Play, configured and used Firebase Real-Time Database, used git VCS.
- Scraped user data and mapped it into the app so no user must create an account and can use Google OAuth directly.
- Restricted users outside of the university campus to make it only accessible for students in the university.
- Gained 1000+ downloads from the campus in the first 12 hours of the launch.
- Developed app in React Native, hosted the backend on Firebase and used Firebase's real-time database.

Technologies used: Android (Java), Python, Beautiful Soup 4, Firebase Real-Time Database, Material UI, Volley, Google OAuth, Google Analytics

Cognizance 2k19 – [View on Play Store](#)

September 2019

- Developed in React Native, hosted on Google Play, configured, and used Firebase Real-Time Database, used git for version control.
- Official app for our university's annual tech fest.
- Managed a team of 5 students working on the app and with the use of rapid development, built the app in under 5 days.
- Attractive, functional, and easy to use UI.

Technologies used: React Native, Expo, Sentry, Firebase Real-Time Database and Authentication, Material UI, Google Analytics

EDUCATION

- Master of Science, Computer Science (M.S) August 2021 – May 2023
(anticipated)
California State University, East Bay, Hayward, CA
 - Relevant Coursework: Advanced Algorithms, Web Systems, Cybersecurity, Operating Systems Design, Theory of Computation.
- Bachelor of Technology – Computer Engineering (B. Tech) August 2017 – May 2021
Charotar University of Science and Technology, India