

Harshal Parekh

+ 1 (412) 708-6317 | [linkedin.com/in/harshalparekh/](https://www.linkedin.com/in/harshalparekh/) | hbparekh@andrew.cmu.edu | <https://www.harshal.one>

EDUCATION

Carnegie Mellon University, Pittsburgh DEC 2019
Master of Information Systems Management

Mumbai University, Mumbai MAY 2018
Bachelor of Engineering in Information Technology

EXPERIENCE

Lead Web Developer SEPT 2016 - AUG 2018
Future Tech Lab, Mumbai, India

- Developed and maintained 2 websites and a dashboard
- Conducted User Experience Research and developed the User Interface
- Reduced the page load time by asynchronously loading, leveraging browser caching, and lazy loading images
- Implemented Explara payment portal on micro-sites
- Performed SEO and used Google ads with analytics that generated additional revenue

Test Automation Engineer SUMMER 2017
Credit Suisse, Pune, India

- Piloted an initiative that automated workflow of 6 tasks of the smoke testing process and generating the final report using Selenium, saving 1.5 hours of man labor
- Tested accuracy of tools that summarized daily trades
- Wrote and validated test cases and testing rules

Full Stack Web Developer JAN 2017 - MAR 2017
P. C. Works, Mumbai, India

- Implemented a web app using MEAN Stack; developed user dashboard and eliminated the manual changes done by the support team; designed interactive graphs that displayed user's analytics
- Constructed and migrated the existing databases; performed query optimization

Project Trainee AUG 2014 - MAR 2015
Larsen & Toubro, Mumbai, India

- Developed final year Diploma project – “MediCard” that connected healthcare intermediaries
- An NFC card to access user's health details, manage appointments, order prescriptions, automate health insurance; doctors and labs to upload reports

SKILLS

- Front-end development: 30+ JavaScript libraries, React + Redux, Pure, Vue, Ember
- Back-end development: Slim, Laravel, CodeIgniter
- Core: Java, C, Scala, Python, R with Shiny

PROJECTS

Knowledge Discovery on Health Records
Undergraduate Research AUG 2017 - APR 2018

- Developed a predictive model using CNN and demonstrated predictions achieving 96% accuracy and visualizations on a web-based platform helping medical researchers save the survey time
- Cassandra, Tensorflow, Web2py, ChartJS, Ajax, PHP

CogniBuddy - Online Tutoring
Freelance Web Development MAY 2017 - DEC 2017

- Learning management system featuring video chat and collaborative whiteboard; tutors can design and sell courses; automatic correction of dynamic quizzes; certificate code validator; student activity monitoring
- WordPress, WebRTC, Socket.io, Node.js, Front-end

Mass Transit Tracking System
Personal Project DEC 2016 - APR 2017

- Real-time tracking of busses on a web dashboard using GSM and GPS; aggregated data from tracking devices used for route monitoring; density/profitability tracking; service analytics

ACHIEVEMENTS

- Winner of Hack This. Help Kids, for “Smart Neonatal Breast Milk Supply System” OCT 2018, PA
- Semi-finalist of CodeIT Suisse, for “InvestoMaster - Stock Market Visualization” JAN 2017
- Special mention at PROCOM 2017, for an idea “Laws and News” APR 2017
- Participant of “Jugaadathon 2017 - Global Healthcare Hackathon” MAR 2017
- Winner of national-level project competition: “TechnoFest 2015”, for “MediCard” APR 2015

RESEARCH

- Reviewer for IEEE ANTS 2018
- A Machine Learning-Based Medical Data Analytics and Visualization Research Platform IEEE 2018
- Cloud-based Secure Smartcard Healthcare Monitoring and Tracking System IEEE 2017
- Systematic Analysis and Simulation of Classical Page Replacement Algorithms: A Proposed Novel WSClock-Derivative IEEE 2017
- Simulation of a Two Head Disk Scheduling Algorithm IEEE 2016