NEHAL BHANUSHALI

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EDUCATION

Master of Science in Information Systems, *Northeastern University, Boston, MA*   *September 2015 – December 2017*
Relevant Coursework – Application Engineering & Development, User Experience Design, Web Development Tools & methods, Program structures & Algorithms, Engineering Big Data Systems, Parallel Processing & Multithreading

Bachelor of Engineering in Information Technology, *Mumbai University, India*   *September 2009 – May 2013*
Relevant Coursework – Computer Programming, Internet Programming, Artificial Intelligence, Object Oriented Analysis & Design, Database Management Systems, Data Structures and Algorithms

TECHNICAL SKILLS

Web/ Mobile Tech: ReactJS + Redux, AngularJS, VueJS, Javascript ES6, HTML5, CSS3, jQuery, PhoneGap, Flask, Webpack
API/ data services/ frameworks: REST, Spring MVC, Struts, Hibernate, Hadoop, MapReduce, WebSockets
Back-End Tech: Java, Python, R, C/C++, C#, SQL, Shell Script
Databases: MongoDB, ElasticSearch, MySQL, MS SQL Server
Web Mapping APIs: Google Maps API, GeoJson, Mapbox, ArcGIS
Cloud/ Virtualization/Version Control: Git, Docker, AWS (EC2/EMR), VirtualBox, IBM Bluemix, Azure, Anaconda
OS: Comfortable on OSX, Linux , Windows

EXPERIENCE

Web Developer Intern, Call-Em-All, *Frisco, TX*   *May 2016 – August 2016*
Call-Em-All is an on-demand automated voice broadcasting and bulk text messaging service company

- Worked on features & bug fixes in the open source framework, Material-UI (Google's Material Design using React)
- Resolved issues related to the usage of Material-UI components on GitHub and Gitter
- Re-structured the existing texting website for seamless transition into Material-UI to achieve better scalability
- Proactively mentored kids in the Frisco CoderDojo hosted by Call-Em-All

Software Engineer- Full Stack, Tata Consultancy Services Ltd. (TCS), *Mumbai, India*   September *2013 – July 2015*
TCS is an Indian multinational information technology (IT) service, consulting and business solutions company

- Developed platform independent mobile apps using PhoneGap & REST API for enhanced on-field customer service
- Strategically redesigned client legacy websites with responsive design for enhanced user experience
- Created custom CSS and JavaScript validation components for use across corporate client and internal websites
- Provided peer group training and assistance in hybrid mobile app development and responsive web designing
- Lead a team of 5 in designing and developing an online web store in J2EE (JSP and Servlets) while training
- Revamped existing project modules having obsolete architecture using Struts and Hibernate Frameworks

Awards: "TCS Gems - On the Spot", for rich UX mobile & web and for achieving 98.9 % Client Satisfaction Index

PROJECTS

Refugee Network – *Google's HackForGood, Harvard Business School, Cambridge, MA*   *June 2017*
- Developed a mobile-first Firebase app for Refugee Network in France to help refugees get/offer help based on skills
- Programmed an adaptive questionnaire to help users narrow down to answers with language selection

Bitcoin price prediction and transaction anomaly detection– *Northeastern University, Boston, MA*   *April 2017*
- Developed a MapReduce solution to find unique users having multiple transaction public keys in the transaction network data to increase the accuracy in anomaly Detection
- Fetched bitcoin data from websites using selenium-python & MechanicalSoup for auto-login and scraping
- Created a Flask Web Application integrated with Azure ML to run prediction models and display prediction results
- Pipelined the entire application using Luigi and Docker

PhotoSpeaks – *Call-Em-All, Frisco, TX*   *June 2016*
- Designed and developed a photo sharing website using React.Js and Material-UI inspired from Instagram
- Incorporated photo search filter via hashtags alongside the like and comment features

TheNomadicClan – A Social networking website for travelers, *Northeastern University, Boston, MA*   *April 2016*
- Created a responsive single page web application with rich user interface
- Implemented infinite scrolling, fetching JSON data through AJAX on scroll, for lazy loading
- Developed a Spring & Hibernate web service to find people with similar travelling interests among other features

Smart Farming- Internet of Things, *Northeastern University, Boston, MA*   *December 2015*
- Developed an application in Java Swing for conveniently managing farming operations by IoT enabled gadgets
- Programmed the logic for simulated data generation for sensors required in the farming equipment
- Created a weather monitor and alert system fueled by simulated data with a networking platform for farmers