

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