

# 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, Web Design & User Experience, Web Development Tools & methods, Program structures and Algorithms, Engineering Big Data Systems, Building Virtual Environments

**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

**Front-End Tech:** ReactJS + Redux, AngularJS, Javascript, HTML5, CSS3, jQuery

**API/ data services/ frameworks:** REST, Spring MVC, Hibernate, Hadoop, MapReduce, HDFS, WebSockets

**Back-End Tech:** Java, Python, R, C/C++, C#, SQL, Shell Script

**Databases:** MongoDB, Elasticsearch, MySQL, MS SQL Server

**Web Mapping APIs:** GeoJson, Mapbox, ArcGIS

**Cloud/Virtualization/Version Control:** Docker, AWS EC2, VirtualBox, VM Ware, MS Azure, Anaconda, Git

**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 with 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 React 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

**RefugeeNetwork – 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
- Incorporated language selection to assist people from across countries

**PhotoSpeaks – Call-Em-All, Frisco, TX** June 2016

- A photo sharing website created using React.Js and Material-UI inspired from Instagram
- It enables searching photos via hashtags alongside the like and comment feature

**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 data through AJAX on scroll, for lazy loading and reduced number of clicks
- 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