

## Abhishek Raval

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### EDUCATION

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|---|---|
| <b>Northeastern University, Khoury College of Computer Science</b> , Boston, MA | Expected Graduation: Dec 2019   |
| Master of Science in Computer Science   | GPA: 3.6  |
| <b>Related Courses:</b>   | Web development, Algorithms, Large scale parallel data processing, Managing software development, Mobile application development, Database management system. |
| <b>Gujarat Technological University</b> , Gujarat, India                        | May 2017  |
| Bachelor of Engineering in Information Technology                               | GPA: 3.6  |

### TECHNICAL KNOWLEDGE

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| <b>Languages:</b>          | Java, JavaScript, NodeJS, C, C++, Python, Scala, PHP.   |
| <b>Cloud Technologies:</b> | AWS EC2, AWS EMR, AWS Amplify, AWS Appsync, AWS Lambda, AWS API Gateway, IAM.   |
| <b>Web Technologies:</b>   | React, React Native, Redux, jQuery, Angular, Phoenix, ExpressJs, AWS Amplify, Serverless, Cloud Native, PostgreSQL, MongoDB, Bootstrap 4, Material UI, Antd, Antd Mobile. |

### WORK EXPERIENCE

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|---|---------------------|
| <b>Shell Techworks (STW)</b> , Cambridge, MA  |                     |
| Software Engineering Co-op  | Jan 2019 – Sep 2019 |
| <ul style="list-style-type: none"><li>Designed, developed and deployed Enhanced Equipment Care System (EECS) Mobile and Web application using <b>React, React Native, AntD, GraphQL, AWS Appsync</b>, and <b>AWS Amplify</b>.</li><li>Increased STW's credibility by <b>200%</b> through EECS, sealing <b>\$1 Million</b> funds for the expansion of the next phase.</li><li>Honored with <b>Special Recognition Award</b> for taking initiatives and implementing new features to streamline the support during turnaround for EECS, addressing each issue raised in less than 90 minutes.</li><li>Won <b>HackWeek's Best Project</b> trophy, beating 14 other teams by spearheading a team of 8 and building Progressive Web App for site safety using <b>React, GraphQL, AWS Amplify, NodeJS</b>, Philips Hue and Zumo robot.</li><li>Mentored and trained a Junior Intern for Qatar based project, receiving appreciations from stakeholders.</li></ul> |                     |
| <b>Zylotech</b> , Boston, MA  |                     |
| Full Stack Developer Intern   | Jul 2018 – Sep 2018 |
| <ul style="list-style-type: none"><li>Built Client Data Management Platform (CDM) to transfer and manage data in AWS S3 Buckets using <b>MongoDB, Express, React, Redux, NodeJS, Material UI</b>, and <b>AWS-SDK</b>.</li><li>Accorded with <b>Excellent Design Proposal</b> title by Co-Founder for brainstorming and developing a Customer 360° Profile Page for Company's B2C application employing <b>React</b> and <b>Material Design</b> principles.</li></ul>  |                     |

### ACADEMIC PROJECTS

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|---|---------------------|
| <b>Multi-Threaded Client Server Chat Application</b>  | Sep 2018 – Dec 2018 |
| <ul style="list-style-type: none"><li>Programmed a chat application like Facebook Messenger for communicating in person, in groups or broadcasting messages and included the feature to join and leave groups employing the latest software design patterns.</li><li>Technologies Used: Java Multi-Threading, Java Networking, Hibernate, MySQL, JMeter, JIRA, SonarQube, GitHub.</li></ul>   |                     |
| <b>Web Development Projects</b>   | Mar 2018 – Apr 2018 |
| <ul style="list-style-type: none"><li>Developed a <b>Bus Tracking Application</b> for Boston transit users utilizing real-time data from MBTA API. Also, created an Uber-like tracking module for viewing the live location of any bus on Map using Google Maps API.</li><li>Built a <b>Multiplayer Othello Game</b> with a chat system, supporting unlimited observers and received the "Best UI Project" title among 150 students.</li><li>Technologies Used: React, Redux, Web Sockets, Elixir, Phoenix, AJAX, REST, Swagger, Bootstrap.</li></ul> |                     |
| <b>Honest-E: A Complaint Management Android Application</b>   | Jan 2017 – May 2017 |
| <ul style="list-style-type: none"><li>Identified the problems while registering complaints in a paper-based redressal system and engineered an Android application to make the complaint management process efficient.</li><li>Technologies used: Android, PHP 5, MySQL, RESTful Web Services, Apache, Genymotion.</li></ul>  |                     |