

ABHISHEK RAVAL

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Available: Jan – Aug 2019

EDUCATION

Northeastern University, College of Computer and Information Science, Boston, MA

Master of Science in Computer Science, **GPA: 3.58**

Dec 2019

Related Courses: Programming Design Paradigm, Foundations of Artificial Intelligence, Web Development, Algorithms, Large-Scale Parallel Data Processing, Managing Software Development.

Gujarat Technological University, Gujarat, India

Bachelor of Engineering in Information Technology, **GPA: 3.5**

May 2017

Related Courses: C, C++, Computer Networks, Data Structures, Operating Systems.

TECHNICAL KNOWLEDGE

Languages:	C/C++, Java, Python, Racket, Elixir, NodeJS
Systems:	Windows 7/8/10, Linux, Ubuntu
Software:	Android Studio, Eclipse, PyCharm, Adobe Photoshop, WebStorm, Visual Studio Code
Web Technologies:	HTML/CSS, JavaScript, NodeJS, React, Redux, PHP, jQuery, Phoenix, PostgreSQL, Bootstrap 4, Material UI, MongoDB, Express.

WORK EXPERIENCE

Zylotech, Boston, MA

Full Stack Developer Intern

Jul 2018 – Sep 2018

- Built Client Data Management Platform (CDM), to transfer and manage data in Amazon S3 Buckets using MongoDB, Express, React, Redux, Node JS, Material UI, and AWS-SDK.
- Completed CDM project 25 days before it's deadline and Garnered accolades for refactoring its major features.
- Represented Zylotech at Citizen's Bank Hackathon and delivered a large-scale data visualization module in a concise manner harnessing JavaScript's Plotly.js Graphing library in frontend and NodeJS in backend.
- Awarded with "Excellent Design" title by Co-Founder for brainstorming and developing a Customer 360° Profile Page for Company's B2C application employing React and Material UI.

ACADEMIC PROJECTS

College of Computer and Information Sciences, Northeastern University, Boston, MA

MBTA Realtime Bus Tracking Application(<https://bustracker.abhishekraval.com/>)

Mar 2018 – Apr 2018

- Developed a Bus Tracking Application for Boston transit users utilizing real-time data from MBTA API.
 - Created an Uber-like tracking module for viewing live location of any bus on Map leveraging Google Maps API.
- Technologies Used: React JS, Redux, Elixir, Phoenix, AJAX, HTML5, CSS3, Bootstrap.

Multiplayer Othello Game(<https://othello.abhishekraval.com/>)

Feb 2018 – Mar 2018

- Utilized Web Sockets to build a multiplayer Othello Game supporting unlimited observers and earned "Best UI Project" award among 150 students.
- Implemented a chat system for players and observers to communicate using Phoenix-Channels.

Technologies Used: React JS, Elixir, Phoenix, HTML5, CSS3, Bootstrap.

Financial Forecasting for Stock Market(<http://bit.ly/stock-prediction>)

Nov 2017 – Dec 2017

- Designed a Stock Market Prediction mechanism based on Yahoo Stocks dataset, employing Scikit-Learn library.
- Technologies Used: Python, Jupyter Notebook, Algorithms: Neural Networks, SVM, Random Forest.

Gujarat Technological University, Gujarat, India

Honest-E: A Complaint Management Android Application(<http://bit.ly/honeste>)

Jan 2017 – May 2017

- Identified problems faced by Ahmedabad citizens while registering complaints in paper-based redressal system.
 - Architected an Android application to solve problems faced and make complaint management process efficient.
- Technologies used: Android, PHP 5, MySQL, RESTful Web Services, Apache, Genymotion.