Rayyan Mahar

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Education

University of California, San Diego   *La Jolla, CA*

B.S. in Computer Science and Mathematics (Major GPA: 3.32)   *September 2013 - July 2018*

- Coursework: Data Structures and Object-Oriented Design, Design and Analysis of Algorithms, Machine Learning, Data Science , Linear Analysis

Work Experience

COCA-COLA   *June 2016 - September 2016*

Front-End Developer Intern

- Contributed to full-stack web development projects, with an emphasis on browser manipulation
- Developed complete check-out process using different AngularJS modules and services by using dependency injection
- Utilized React with Material-UI library to create and style responsive front-end components
- Worked on applications to analyze and display data from an internal API
- Developed full-scale GUI in 4 weeks for application

DEUTSCHE BANK   *June 2015 - August 2015*

Software Engineer Intern

- Designed and built large parts of an external, customer-facing API while using test-driven development
- Sped up application performance by migrating various server-side interactions to the client-side
- Created backend database for REST API to manage user data using MEAN stack, MongoDB and Node JS
- Collaborated in the development of new banking software interfaces
- Used Python and C++ for programming embedded devices

UNIVERSITY OF CALIFORNIA, SAN DIEGO   *January 2017 - April 2017*

Tutor - Data Structures and Object Oriented Design

- Tested and graded students' implementation of data structures
- Debugged problems of logic errors and compile errors in C/C++ and Java

Projects

Cryptool

GITHUB.COM/RAMAHAR/CRYPTOOL

- An application that displays a list of top cryptocurrencies and their prices in real time using data from CoinMarketCap API
- Implemented using Javascript framework Vue.js

Academia

GITHUB.COM/RAMAHAR/ACADEMIA

- An application that allows user authentication and displays various online courses
- Developed using Python, Django and jQuery. Designed the user interface using Angular

Scribbler

GITHUB.COM/RAMAHAR/SCRIBBLER

- An interactive web application that allows users to chat in real time
- Developed using Node.js and powered by Socket.IO

Mapify

GITHUB.COM/RAMAHAR/MAPIFY

- A web application that allows users to interact with maps and save locations
- Designed and coded a responsive user interface using Bootstrap and React.js

Skills

- **Languages:** Java, C, C++, Javascript, Python, HTML, CSS, MATLAB, SQL
- **Technologies:** jQuery, Node.js, Socket.IO, API, D3.js, Git, Angular, Linux, React, Bootstrap