ANIRUDH SINGH

Available: August – December | Boston, MA | + 1 (253) 880-8099

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EDUCATION

Khoury College of Computer Sciences, Northeastern University, Boston, MA Expected Grad: May 2021
Candidate for Bachelor of Science in Computer Science, Minor in Mathematics GPA 3.52/4.0
Relevant Courses: Object Oriented Design, Algorithms & Data, Computer Systems, Discrete Structures, Embedded Design, Networks & Distributed Systems, Probability & Statistics, Foundations of Data Science, Artificial Intelligence

TECHNICAL KNOWLEDGE

Languages: Java, Python, JavaScript, SQL, HTML, CSS, C/C++, Racket
Frameworks/Libraries: React, Bootstrap, Express, Flask, jQuery, Scikit-learn, Pandas, NLTK
Other Tools: Node.js, REST APIs, MySQL, MongoDB, Git, AWS, Windows/Linux, Postman, Docker, ML basics, Agile SCRUM

PROJECTS

Real or Not? NLP with Disaster Tweets
- Sentiment Analysis performed using Python, Natural Language Processing, Machine Learning, and Inferential Statistics to determine disaster status of a tweet.
- Conducted data cleaning methods, feature extraction, classification modeling, data visualization, and other techniques to show how Twitter can be a valuable mechanism to broadcast information in times of a disaster.

ExCELIence Animation
- Built user-interactive application that renders 2D animations of shapes using Java Swing and AWT libraries.
- Applied MVC architecture to achieve separation of concerns and facilitation of multiple views, while performing unit testing with mocking.

Personal Website/Portfolio
- Designed and developed single-page portfolio with HTML5, CSS3, JavaScript, jQuery, and Bootstrap4. Visit page at **https://anirudh723.github.io**.

ALEXA Skill
- Built Amazon ALEXA skill called 'Computer Science Wiki' using Python and AWS Lambda to run and test code.
- Skill provides over 20 definitions for common keywords in field of Computer Science.

Mechatronic Bridge
- Built programmable miniature bascule bridge using Arduino and set sensors.
- Bridge involved variety of components including structural analysis and robotic programming.

EXPERIENCE

Web Developer Intern June 2020 - Present
Massachusetts Technology Collaborative | Westborough, MA
- Wrote Python scripts to migrate data from Excel to MySQL database for improved interpretability and faster queries.
- Built an analytics dashboard application using React, Node.js and Express that will visualize information from database.

Teaching Assistant, CS3500: Object-Oriented Design May 2020 – Present
Khoury College of Computer Sciences, Northeastern University | Boston, MA
- Hold office hours to help students improve code structure and design choices.
- Reinforce concepts including MVC architecture, inheritance, polymorphism, abstraction, etc.

Northeastern University Office Assistant Sept 2018 – June 2020
Residence Hall and School of Public Policy & Urban Affairs | Boston, MA
- Design event flyers, schedule weekly meetings, file paperwork, and handle daily mail deliveries.

Customer Service and Sales Intern Jun 2017 – Aug 2017
T-Mobile | Tacoma, WA
- Managed inventory using operations management application.
- Developed useful sales and customer service skills by consulting with over 200 customers daily, providing solutions that best fit need.