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EDUCATION

Northeastern University, Boston, MA September 2022
Khoury College of Computer Sciences Expected May 2024
Master of Science in Computer Science 3.84
Related courses: Programming Design Paradigm, Database Management Systems, Algorithms, Mobile App Development

University Visvesvaraya College of Engineering, Bangalore, India August 2021
Bachelor of Engineering, 84.4
Related courses: Object Oriented Programming, Data Structures, Software Engineering, Computer Networks

TECHNICAL SKILLS

- Programming languages: Java, C++, C, C#, JavaScript, HTML, CSS.
- Tools and Frameworks: Python Flask, Django, Angular, ReactJS, ExpressJS, NodeJS, ASP.NET, ExtJS, MERN stack, MEAN stack, Git, MYSQL, MongoDB.

PROJECTS

Stock Market Trade Simulator, Java, Java Swing, JUnit, MYSQL
- Built a stock trading simulator where users can simulate buying and selling of over 8400+ stocks and apply several strategies such as rebalancing portfolios and dollar-cost averaging.
- Designed a robust application using MVC architecture and various programming design paradigms like command design pattern, and adapter design pattern.
- Engineered the app to make it future-proof by adhering to the SOLID principles and built a clean and well-structured code to facilitate code-reuse, minimize code duplication.

Sorting/Searching Algorithms Visualizer, ReactJS
- Designed and developed a sorting and searching algorithms visualizer to visualize all major sorting and searching algorithms with 100% accuracy.
- Created the visualizer that can sort or search in an array of over 10,000 elements, each element represented as a block where height of the block corresponds to the value of the array element.
- Plotted a final graph for all sorting and searching algorithms with the time taken by each algorithm thereby analysing the time complexity of each algorithm.

Personal Blogging Application, Python Django
- Built a personal blogging application leveraging Django's built-in models and views to build a functional and visually appealing blog with features such as user authentication and CRUD functionality for blog posts.
- Implemented features such as user authentication, image uploading, and commenting functionality and social media sharing.
- Utilized third-party libraries such as Pillow for image processing and Bootstrap for front-end design

WORK EXPERIENCE

Ivanti, Bangalore August 2021 - July 2022
Associate Software Engineer
- Refactored 50% of the entire ISM product singlehandedly to make it completely accessible.
- Sparkified the UI to provide a cleaner aesthetic to the product.
- Collaborated across teams to resolve 15+ customer reported issues with 100% customer satisfaction.

Ivanti, Bangalore February 2021 - August 2021
Engineering Intern
- Improved the security of the application by 30% by successfully removing all the unsafe-inline eval and inline JS/CSS code.
- Refactored 100% of the entire codebase to work without any errors and without the need for allowing unsafe-inline and unsafe-eval in the CSP (Content Security Policy).