

Hima Swetha Gutti

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SUMMARY

Software Engineer with expertise in Web Development, Object-Oriented Concepts, Algorithms, and Data Structures. Strong testing and debugging skills; able to communicate with cross-functional teams. Enthusiastic to expand the present knowledge base and hardworking to adopt new technologies and situations with ease. A very good team player exhibiting ownership and commitment.

EXPERIENCE

Old Dominion University

Teaching Assistant

Aug 2018 - Dec 2019

- Worked as a C++ teaching assistant for undergraduate students. Also responsible for setting exam papers, conducting and proctoring students. Improved student participation in the classroom through integration of creative role-playing exercises and peer review sessions. Consistently received positive teacher evaluations from students.

Graduate Research Assistant

May 2018 - Aug 2018

- Developed and maintained web-based applications written in HTML/CSS/JavaScript. Troubleshot page performance issues and achieved to eliminate code incompatibilities and imagery problems. Conducted usability testing to measure the user experience success and provided technical support to other web design members.

EDUCATION

Old Dominion University, VA (Dec 2019) - MS in Computer Science

Related Courses: Algorithm and Data Structures, Web Programming, Introduction to Data Science, Cloud Computing, Human Computer Interaction, Artificial Intelligence, Foundations of Computing, Database Management Systems, Big-Data.

Jawaharlal Nehru Technological University, India (May 2017) - BTech in Electronics and Communication Engineering

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

PROGRAMMING SKILLS

Programming Core: C, C++, Java, Python

Web Skills: PHP, JavaScript, React.js, Redux, Node.js, Vue.js, Angular.js, Jasmine, jQuery, Ajax, D3.js, HTML, CSS, Bootstrap, XML

Databases and Tools: MySQL, ETL, MongoDB, Weka, Laravel, SAS

Platforms: Git, Eclipse, Postman, phpMyAdmin, MATLAB, Visual Studio, Docker

PROJECTS

- **Connector** (<https://github.com/swetha234/CONNECTOR>)
Built a full stack social networking site, helps users to network and build professional portfolio and allows to create posts.
Technology Used: Node.js, Express, React, Redux, MongoDB, JavaScript, CSS, HTML, Heroku, Git
- **To-Do List** (<https://github.com/swetha234/To-Do-List>)
A replacement for pen and paper is this To-Do list app. Users can make a note of events and duties that are to be fulfilled and schedule accordingly. Implemented delete, adding and checking important to-dos's.
Technology Used: React, HTML, CSS
- **Pet Finder** (<https://github.com/swetha234/webproject>)
Created a social networking platform where people with interest in pets can interact and share thoughts via functionalities that have been implemented such as user registration, creating groups, chat box, posting, commenting and many more.
Technology Used: PHP, MySQL, HTML, CSS, JavaScript, Ajax, jQuery, Apache Server.
- **PerfumeMatch** (<https://github.com/swetha234/PerfumeMatch>)
This is a recommendation system that helps users to find perfumes that correspond to their personality. Web-scraped the data from a website. Formed two tables one with perfume data and second with user ratings and reviews. Started to build a website application for the recommended system and used MongoDB to store the data.
Technology Used: PHP, HTML, CSS, MongoDB
Tools Used: NumPy, Pandas, BeautifulSoup, seaborn, Laravel
- **Pine-valley Furniture company** (<https://github.com/swetha234/Pine-valley-furniture-DBMS>)
Created a database that satisfies Pine Valley Furniture Company's current business requirements and be scalable to respond to their ever-growing customer portfolio. Used MySQL to create the database.
- **Travelling Santa's Sleigh** (<https://github.com/swetha234/AI-Travelling-Santa-Problem>)
The aim is to find a tour yielding the maximum path cost. In this problem, we try to solve Santa's problem using two methods. The first method is finding a path that yields minimum path cost, the other method is supposed to provide two disjoint paths instead of one. Genetic algorithm gave the best results to obtain shortest path.
Tools Used: pandas, NumPy, Itertools
- **Big-Mart Sales Prediction** (<https://github.com/swetha234/Big-Mart-Sales-Prediction>)
The aim of this project is to build a predictive model and find out the sales of each product at a store. Analyzed the data from different stores and achieved to predict the sales using Linear regression, Xgboost and decision tree.
Technology Used: Python

LEADERSHIP/ VOLUNTEER ACTIVITIES

- Active member in Indian Students Association in Old Dominion University.
- Worked as a volunteer in Street Cause (NGO), India.