Sanjana Lad

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EDUCATION

California State University, Fullerton **Fullerton, CA**
M.S. in Computer Engineering *Jan 2022 – Jan 2024*
Rizvi College of Engineering **Maharashtra, India**
B.S. in Computer Engineering *Aug 2017 – Jun 2021*
Related Coursework: Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Big Data, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Software Engineering, Neural Networks

EXPERIENCE

Crypto Clear Inc. **Boston, MA**
Web Development Intern *Mar 2024 – Present*
- Worked in a professional coding environment using JavaScript, HTML/CSS and React.js
- Acted as a team player participating in all the teams like Marketing (Google Analytics) and Data Science
- Worked with D3.js library for data visualization resulting in networking charts for different cryptos
- Collaborated with the backend team, coordinating timely deployments on GitHub for version control practices
- Experienced automated testing, debugging, and code review techniques to maintain code quality
- Took over project management tasks, reporting to the CEO, contributing to the overall growth of the start up

Newfold Digital **Maharashtra, India**
Web Solutions Specialist *Jun 2021 – Nov 2021*
- Identified and resolved performance bottlenecks, improving load times and optimized user experience
- Monitored server performance, disk space, error logs, and backup data of clients' websites
- Troubleshot website and network issues, including those related to TCP/IP, using DNS diagnostic tools
- Delegated critical tasks and resolved issues by effectively communicating with senior managements
- Managed and configured server environments, including both Windows and Linux systems, to run shell scripts

PROJECTS

Virtual Police Station **Jan 2023 – May 2023**
- Developed a web application using Python, React, and MongoDB for efficient data storage and retrieval
- Followed Agile methodology for continuous collaboration and teamwork, enabling iterative development cycles to achieve target goals
- Utilized Google Maps API to monitor user's current location fetching the data from MongoDB

Heart Disease Prediction **Jan 2022 – May 2022**
- Developed a machine learning predictive model in Python for early prediction of heart disease with various attributes
- Utilized Random Forest, Decision Tree, and a Hybrid Model, achieving 88.7 percent accuracy with 14 attributes
- Visualized data using Matplotlib and utilized nftool to simulate the neural network and increase accuracy

Breast Cancer Prediction **Jan 2023 – May 2023**
- Built a prediction model with CNN efficient model training with a dataset of histopathology images
- Performed image interpretation and manipulation to expand the training dataset and reduce overfitting
- Achieved 84 percent accuracy in breast cancer classification within 20 epochs of trainings
- Significant computational speed-ups by utilizing GPU accelerations were achieved, making the results more accurate

PUBLICATIONS/EXTRA-CURRICULAR

Review On 40 Pins Microcontroller 8051 - IJCSE (International Journal of Computer Sciences and Engineering) **Oct 2019**
Arduino Robot – Developed an Arduino based robot to represent college for accreditation which resulted and contributed to an overall B+ university grade **Feb 2019**

SKILLS

Programming: Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++, C, JavaScript
Tools: Android Studio, HubSpot, Jupyter Notebooks, Git, Agile, Coogle Cloud Platform, MS Office, Jira
Libraries: Pandas, NumPy, Matplotlib, React.js, OpenCV, Sci-kit learn, TensorFlow, Pytorch
Personal Skills: Problem-Solving, Critical Thinking, Self-Motivation, Analytical Thinking, Communication**,** Self-Learner