NISHANTH RAVULA

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EDUCATION

Master of Science in Computer Science and Engineering, June 2024
University at Buffalo, The State University of New York
- Course work: Coursework: Applied Algorithms, Database Management, ML, Information Retrieval.

Btech in Computer Science and Engineering, September 2021
Sri Indu College of Engineering and Technology
- Course Work: DBMS, Data Structures and Algorithms, C/C++, Web Development, Computer Networks.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C/C++, C#, Java.
Skills: Web Development, Data Structures and Algorithms, Machine Learning, LINUX, Computer Networks.
Frameworks/Libraries: React.js, Django, Android, TensorFlow, Axios, RestApi's.
Databases: Oracle DB, MySQL and MongoDB.

PROJECTS

- Vehicle detection and tracking using Machine learning algorithms: A support vector machine (SVM) algorithm and a decision tree algorithm were used and developed to detect and track objects.
- APOTHEOSIS: Developed a voice assistant for professional office work. Implemented using Python language, Machine Learning Algorithm for training, modeling, analyzing, Google recognition API for speech recognition, NLP, and JIRA API.
- Video chat Application: Simple Video chat application allows users to chat face to face. It is built using peerjs,webrtc, and node.

EXPERIENCE

Assistant System Engineer, Tata Consultancy Services, Hyderabad, India, July 2021 - July 2022
- Python - ML Algorithms - Azure.
- Worked on a Deep learning project for autonomous vehicles .Developed, modeled, and processed data sets and then deployed to Azure cloud and sent to train a model.
- Led a team of 25 and managed to give 30% manually annotated data to ML Algorithm to achieve clients standards.

Web Developer (Internship), Halfway, Hyderabad, December 2020 - June 2021
- Reactjs - Node - GCP.
- Designed and implemented new user-facing features using React.js. Established reusable components and front-end libraries for future use.
- Translated designs and wireframes into high quality code. Optimizing components for maximum performance across a vast array of web-capable devices and browsers.

Frontend Developer (Internship), PrimeFort, Chennai, India, October 2019 - January 2020
- Reactjs.
- Determined structure and design of web pages and ensuring user experience determines design choices.
- Created features to enhance user experience and build reusable code for future use.

ADDITIONAL EXPERIENCES AND AWARDS

- Recommended for Business Analyst and Software Development Trainee by AMCAT. License No. - 14249125-94, 14249125-166.
- Participated in NASA SPACE APP Challenge 2018.
- Participated in SIH(Smart India Hackathon)2020.
- Certified in Database Management System by NPTEL(2019).