NITHIN CHOWDARY RAVURI

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Experience

Tata Consultancy Services   **Apr 2021 – May 2022**
Systems Engineer   *Hyderabad, India*
- Orchestrated critical datasets for a cutting-edge Level-3 ADAS system for ZF, enhancing AI model training accuracy by 30% through pioneering 3D spatial annotations with LiDAR sensor data and test vehicle video footage.
- Collaborated as a Subject Matter Expert (SME) within a team of 20 engineers, leading the training of over 600 associates in specialized annotation techniques and tools.
- This initiative accelerated project timelines and improved data quality, showcasing leadership and a passion for knowledge sharing.

Bootstrap Guru   **Mar 2019 – Mar 2021**
Full Stack Developer   *Hyderabad, India*
- Played a key role in the frontend development of LaraPos, a cloud-based Point of Sale (POS) solution designed for small to medium businesses.
- Designed the user interface cards for LaraPos, enhancing the platform's visual appeal and user experience. The design work contributed to a more engaging and intuitive user interface.
- Utilized VueJS and Bootstrap for designing and developing these components, ensuring a seamless and responsive user experience across different devices and platforms.

Technical Skills

Programming Languages: JavaScript, Python, Java, Pinescript, C.
Web Technologies: HTML, CSS
Web Frameworks: React, Svelte, Vue.js, Node.js, Express.js, Tailwind CSS, Bootstrap, Flask, Django.
Databases: MongoDB, PostgreSQL, MYSQL.
Other Technologies: Rest APIs, Docker, Hadoop, Spark, Vite, Git, Github, AWS, Netlify.

Education

The University of Texas at San Antonio   **Aug 2022 – May 2024**
Master of Science in Computer Science   *GPA: 3.95/4.0*
-Facilitated learning for over 100 students across 2 sections as a Graduate Teaching Assistant in Python lab sessions, emphasizing practical applications of Object-Oriented Programming (OOP) and web technologies.

Jawaharlal Nehru Technological University   **Aug 2015 – May 2019**
Bachelor of Technology in Electronics and Communication Engineering   *GPA: 3.5/4.0*

Projects

Beast Morph | *React, Tailwind CSS*
- Developed "Beast Morph," a dynamic web application using React and Tailwind CSS, that offers personalized workout routines curated by advanced algorithms based on user preferences and goals.
- Prioritized a seamless user experience in "Beast Morph" by integrating intuitive UI/UX design and responsive web development practices, ensuring the application is user-friendly and accessible.

Pokedex | *React, Tailwind CSS*
- Engineered "Nithin's Pokedex," a Pokémon data application using React, Tailwind CSS, and PokeAPI, with an integrated game for enhanced functionality.
- Implemented features like local storage caching and modal overlays for detailed Pokémon information, enriching user interaction and experience.

Facial Expression Recognition | *CNN, OpenCV*
- Developed CNN-based facial expression recognition model on FER-2013 dataset, integrated with real-time processing using OpenCV for efficient deployment.

NASA APOD | *React, NASA API*
- NASA APOD is a React application, that consumes the NASA API to display the astronomy picture of the day. It also caches the data to prevent API overloading and efficiency.

Achievements

LeetCode: Achieved mastery in problem-solving by solving 400+ LeetCode problems and earning multiple badges.
Tata Consultancy Services (TCS): On the Spot Award and Applause Award for excellence.
Engineering Entrance Test (JEE Advanced): Ranked among top 0.5% out of 1 million participants.