

NITHIN CHOWDARY RAVURI

15651 Chase Hill Blvd Apt 2109, San Antonio, Texas 78256

📞 2109865735 ✉ ravurinitinchowdary@gmail.com [in](#) [Linkedin](#) [G](#) [Github](#) [P](#) [Portfolio](#)

Education

The University of Texas at San Antonio

Aug 2022 – May 2024

Master of Science in Computer Science

GPA: 3.9/4.0

-Facilitated learning for 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.

Technical Skills

Programming Languages: JavaScript, Python, Java, Pinescript, C.

Web Technologies: HTML, CSS

Web Frameworks: React, Node.js, Express.js, Svelte, TailwindCSS, Bootstrap, Flask, Django.

Databases: MongoDB, PostgreSQL.

Other Technologies: Rest APIs, Docker, Hadoop, Spark, MYSQL, Git, Github.

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.

Self-Employed

May 2019 – Dec 2020

Software Engineer

Hyderabad, India

- Developed customized trading algorithms using TradingView's PineScript, achieving a 130% return by aligning strategies with trading style and investor needs.
- Engineered and enhanced a dynamic stock screener within TradingView, employing PineScript for automation of stock selection, this innovation provided timely notifications for potential opportunities.

Projects

Beast Morph | *ReactJS, TailwindCSS*

Apr 2024 – Apr 2024

- Developed "Beast Morph," a dynamic web application using ReactJS and TailwindCSS, designed to cater to all levels of gym enthusiasts by providing personalized workout recommendations.
- Developed a customizable workout recommendation system using advanced algorithms to curate 5-6 optimal routines based on individual preferences and fitness goals.
- Ensured a seamless user experience through intuitive UI/UX design and responsive web development practices.

Pokedex | *ReactJS, TailwindCSS*

Apr 2024 – Apr 2024

- Engineered "Nithin's Pokedex," leveraging ReactJS and TailwindCSS to seamlessly integrate PokeAPI for comprehensive Pokémon data retrieval and display.
- Employed a sophisticated approach using React components, including useState, useEffect, and props, to ensure streamlined state management and efficient data flow throughout the application.
- Implemented advanced features such as local storage caching to minimize API calls, lessen rate limits, and modal overlays for immersive user experience, enhancing interaction by providing detailed Pokémon information upon selection.

Facial Expression Recognition | *CNN, OpenCV*

Mar 2024 – Mar 2024

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

NASA APOD | *ReactJS, NASA API*

Apr 2024 – Apr 2024

- NASA APOD is a ReactJS 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.