

NITHIN CHOWDARY RAVURI

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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.

Jawaharlal Nehru Technological University

Aug 2015 – May 2019

Bachelor of Technology in Electronics and Communication Engineering

GPA: 3.5/4.0

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

- Beast Morph: A user-friendly ReactJS and TailwindCSS web app, designed for gym-goers of all levels, ensuring an effective workout experience with essential features and seamless responsiveness on any device.

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.

Pokedex | *HTML, CSS, JavaScript*

Apr 2024 – Apr 2024

- The Pokedex is a simple vanilla HTML, CSS, JavaScript web app, that consumes the Poke API to display all Pokemon information.

Achievements

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.