

NITHIN CHOWDARY RAVURI

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Education

The University of Texas at San Antonio

Master of Science in Computer Science

Aug 2022 – May 2024

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

Bachelor of Technology in Electronics and Communication Engineering

Aug 2015 – May 2019

GPA: 3.5/4.0

Experience

The University of Texas at San Antonio

Volunteer Research Assistant

Jul 2024 –

San Antonio, US

- Assisting Dr. Amin Sahba to improve the architecture and performance of deep learning models by incorporating principles of brain function into Artificial Intelligence systems.

Tata Consultancy Services

System Engineer

Apr 2021 – May 2022

Hyderabad, India

- Trained 600+ associates on ADAS data development tools, increasing project speed by 3x and achieving high client satisfaction.
- Revamped team structure by dividing associates into smaller groups and assigning supervisory roles, boosting efficiency and project management.
- Enhanced data quality and client communication through tool improvements and active participation in customer calls, strengthening project outcomes and client relations.

Bootstrap Guru

Full Stack Developer

Mar 2019 – Mar 2021

Hyderabad, India

- Optimized landing page performance by reducing loading time by 3x through effective use of React server-side rendering, enhancing user experience for a major client project.
- Contributed to the design and development of a minimum viable product (MVP) by collaborating with senior engineers, leading to successful client approval and project launch.
- Developed and implemented UI/UX designs for various startup projects, playing a key role in front-end development and driving overall project success.

Technical Skills

Programming Languages: HTML, CSS, JavaScript, TypeScript, Java, Python.

Front-end Development: Next.js, React, Tailwind CSS, Bootstrap.

Back-end Development: Node.js, Express.js, Node modules, Spring, Spring Boot.

Database : MongoDB, Redis, SQL, PostgreSQL, MySQL.

Other Technologies: Git, Github, Docker, Zustand, Redux, RESTful API, Gradle, Maven.

Projects

NCR Twitter | *TypeScript, Next.js, React, Tailwind CSS, NextAuth.js, Zustand, Prisma, MongoDB*

[Live Demo](#)

- Developed a comprehensive Twitter clone featuring user authentication, notifications, image uploads, responsive design, and dynamic user interactions including follows, likes, and comments.

NCROOM | *TypeScript, Next.js, React, Tailwind CSS, shadcn/ui, Clerk, getstream.io*

[Live Demo](#)

- Developed a comprehensive Zoom clone with user authentication, video meetings and recordings, scheduling, notifications, and a responsive layout.

Beast Morph | *JavaScript, React, Tailwind CSS*

[Live Demo](#)

- 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.

Facial Expression Recognition | *Python, CNN, OpenCV*

[Source Code](#)

- Developed a highly efficient CNN-based facial expression recognition model for the FER-2013 dataset, achieving near-competitive performance while being 10 times lighter than the top Kaggle model.