

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: 3.95/4.0

-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

Experience

The University of Texas at San Antonio

Jul 2024 –

Volunteer Research Assistant

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

Apr 2021 – May 2022

System Engineer

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

Mar 2019 – Mar 2021

Full Stack Developer

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.