

ANIRUDH NEMMANI

Software Engineer

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Education

The University of Texas at Dallas

Dallas, TX

Bachelors of Science in Computer Science, GPA: 3.715

May 2025

- **Relevant Coursework:** Data Structures and Algorithms, Software Engineering, Programming Language Paradigms, Digital Logic and Computer Design, Programming in UNIX Environment.

Technical Skills

Languages: C, C++, Java, Python, JavaScript.

Web Development: Node.js, Express.js, React.js, Figma, HTML, CSS.

Database Management: MongoDB, Mongoose.

Data Analysis and Visualization: Pandas, NumPy, Plotly.

Version Control: Git, GitHub, BitBucket

Other Tools: Visual Studio Code, Postman, Android Studio, Eclipse, JavaFX.

Experience

Dallas Formula Racing

Dallas, TX

Software Engineer

August 2023 - Present

- Conducted data analysis for Steering and Suspension using python's **Pandas** and **NumPy** libraries, contributing to a **25%** improvement in overall project efficiency.
- Designed, developed, and tested car's damper functions with integrated data cleaning procedures.
- Utilized **Plotly** to create visualizations from **thousands** of lines of data, providing insights into performance of car.
- Gained Agile experience in a **5-person** team, participating in **weekly** scrum meetings for project coordination.

Ashramam Store

Remote - Dallas, TX

Full-Stack Developer

December 2023 - Present

- Built high-performance (**96%** Lighthouse) CRM UI with **React.js**.
- Implemented a secure backend using **Node.js** and **Express.js** for efficient data handling.
- Successfully integrated **Stripe** for secure and seamless payment processing.
- Collaborated **bi-weekly** with the client to gather requirements and deliver solutions on schedule.

Projects

Debt-A-Way

January 2024

- Developed a peer-to-peer lending application in a **3-person** team that facilitates loan transactions between individuals.
- Designed and implemented user-friendly web UI to achieve **97%** performance using **ReactJS**.
- Created a robust backend using **Node.js** and **Express.js**, establishing a **RESTful API** to handle CRUD operations.
- Constructed a database using **MongoDB** for storing user data, postings, and transaction history.

Spill - HackUTD X

November 2023

- Collaborated with a team of **4** to build a website using **Machine Learning** algorithms to predict gas leaks in Natural Gas plants with **61%** accuracy for EOG Resources.
- Led front-end of project using **ReactJS** and **Tailwind CSS**, assisted with Back-End development using **Pandas**, **Sklearn**, and **Geopandas** to map models.
- Gained valuable experience in version control using **Git** and **GitHub**.

Exercise-Tracker

December 2023

- Engineered backend using **NodeJS**, **ExpressJS**, and **MongoDB**, allowing complete CRUD capabilities.
- Employed **Mongoose** for data schemas on backend, enabling efficient storage and retrieval of information.
- Implemented **RESTful API** endpoints, tested using **Postman** to ensure functionality and reliability.
- Utilized **ReactJS** library for appealing and interactive front end.

Additional Information

Leadership Experience: PTK Honors Society District II Representative, Tiger-Rock Martial Arts Taekwondo Instructor, Blue Valley North Cricket Club Co-Founder, President, and Captain.

Other Experience: Overland Park Arboretum Train Operator, Soccer Club, HackUTD X Participant.

Spoken Languages: English, Telugu, Hindi