

# ANIRUDH NEMMANI

Software Engineer

✉ [anirudh.nemmani@yahoo.com](mailto:anirudh.nemmani@yahoo.com) | ☎ 913-295-2960 | 💻 [Anirudh Nemmani](#) | 👤 [Anirudh Nemmani](#) | 🌐 [Ani2nem](#)

## Education

### The University of Texas at Dallas

Dallas, TX

Bachelors of Science in Computer Science, GPA: 3.50

May 2025

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

## Technical Skills

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

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

**Database Management:** MongoDB, MySQL, Mongoose.

**Data Analysis and Visualization:** Pandas, NumPy, Plotly.

**Version Control and Build Tools:** Git, GitHub, Maven.

**Development Tools:** Visual Studio Code, Postman, Android Studio, 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** standup meetings for project coordination.

### Ashramam Store

Remote - Dallas, TX

Full-Stack Developer

December 2023 - August 2024

- Worked **5** hours a week on developing applications for a non-profit organization.
- Built customer relationship management application with help of multiple **REST APIs** using **ReactJS**, **NodeJS**, **ExpressJS**, and **MongoDB**.
- Coordinated with **2** different clients, understanding their needs and delivering solutions within specified timelines.

## 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 a secure (JWT) and user-friendly web UI 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