ANIRUDH NEMMANI

Software Engineer

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Education

The University of Texas at Dallas   **Dallas, TX**
Bachelors of Science in Computer Science, GPA: 3.50   *May 2025*

Technical Skills

Languages: Java, JavaScript, Python, C++, C, Bash
Technologies: AWS, MongoDB, React.js, Node.js, HTML, CSS, JavaFX, PostgreSQL,
Tools: Android Studio, Maven, Git.
Other: Flask, Pandas, NumPy, Jupyter Notebook, Matplotlib.

Experience

Dallas Formula Racing   **Dallas, TX**
Software Engineer   *August 2023 - Present*

- Utilized Python's **NumPy** and **Pandas** libraries to perform comprehensive data analysis for Steering and Suspension of UT Dallas Formula Racing Car.
- Conducted research and created impactful visualizations, integrating tools such as **Jupyter Notebook**, **Plotly**, and **Matplotlib.**
- Developed a strong foundation in **Agile** methodologies through team collaboration and efficient management.

AshramInsight   **Dallas, TX**
Full-Stack Developer   *December 2023 - August 2024*

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

Projects

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.
- Worked on the front-end of the project using **ReactJS and Tailwind CSS,** assisted with Back-End development where we used libraries such as **Pandas, Sklearn, and Geopandas** to map our models and **Flask** for connecting the Front and Back End work.
- Gained valuable experience in version control using **Git** and **GitHub.**

Rock Paper Scissors Game   **September 2023**

- Created an engaging UI for Rock Paper Scissors with **HTML5 and CSS3**, showcasing strong front-end web development skills.
- Leveraged JavaScript to seamlessly manipulate the **DOM**, ensuring real-time gameplay and smooth user interaction.
- Demonstrated expertise in data persistence by implementing JavaScript **local storage** for retaining user scores across sessions and page refreshes.

Amazon Home and Checkout Page Clone   **November 2023**

- Cloned the Amazon.com homepage and checkout page successfully, showcasing proficiency in replicating complex user interfaces using HTML5 and CSS3.
- Implemented real-time checkout updates using **JavaScript** and advanced DOM manipulation, ensuring a responsive and user-friendly experience.

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