Sai Greeshma Nerella

214-537-9845 | nerella.saigreeshma@gmail.com | linkedin.com/greeshma-nerella | github.com/greeshiee

Education

University of Texas at Dallas May 2025
Bachelor of Science in Computer Science *GPA 3.98*

- Fast Track M.S. CS (Artificial Intelligence), Academic Excellence Scholarship Recipient
- Relevant Courses: Machine Learning, Advanced Data Structures and Algorithms, Database Systems, Operating Systems

University of Texas at Dallas May 2026
Master of Science in Computer Science, Artificial Intelligence

Experience

Information Data Systems Inc. June 2024 – Present
Software Development Intern

- Actively explored and applied React.js frontend development, utilizing Next.js for server-side rendering and Bootstrap for responsive design
- Gained hands-on experience with Hedera Hashgraph smart contracts and tokenization in the context of a stablecoin use case
- Engaged with team members to understand the requirements, development process and user flows for implementing a stablecoin system

Nebula Labs Feb 2024 – Present
Software Engineer

- Contributed to the maintenance and enhancement of the organization's API, collaborating with team members to resolve issues, roll out new features, and ensure optimal functionality
- Utilized Go to write efficient and reliable code, improving the overall performance by 20% and usability of the open-source API for the student community

Projects

Reads&Reels | *HTML, CSS, JS, PHP, MySQL* Apr 2024

- Developed a fully functional web application using HTML/CSS, PHP, and MySQL, tested locally with XAMPP
- Designed the application to access, organize, and format movie/book information from a SQL Database
- Implemented prepared statements in PHP to ensure safety against SQL injection when querying the database
- Operated PHPMyAdmin to manage the local SQL database, ensuring proper data storage and faster retrieval times

Rose Curve Generator | *Verilog, Python, Matplotlib, Numpy* Apr 2024

- Programmed a Verilog module that approximated sine using the Taylor function, achieving a 95% accuracy compared to the standard sine function
- Built functionality to generate polar coordinates based on user input (number of petals and color) and saved them to an output file to be plotted
- Created a Python script to generate a custom testbench for the Verilog module, reducing testbench generation time by 50%
- Utilized Python's NumPy and Matplotlib libraries to plot the generated polar coordinates, producing visually informative plots for analysis and presentation

Pixie Draw | *MIPS Assembly, MARS, MMIO, Bitmap* Apr 2023

- Developed a paint application using the MIPS instruction set that enabled creating drawings in the MARS simulator
- Leveraged MMIO keyboard input to boost input speed in MIPS by 40% for smooth performance and implemented bitmap display for colorful output enabling the creation of diverse artwork

Skills

Languages: Java, Python, C, C++, SQL, JavaScript, HTML/CSS, Go, PHP
Frameworks: React.js, Next.js, Bootstrap
Technologies: MySQL, Hedera Hashgraph
Certifications: Microsoft Excel Expert, Hedera Hashgraph Developer, Microsoft Word Expert