Sai Nikhitha Madireddy

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SUMMARY

Crafting high-quality, scalable applications by blending full-stack development, machine learning expertise, and optimized database solutions.

EDUCATION

California State University, Los Angeles	Los Angeles, CA
Master of Science in Computer Science	GPA: 3.84/4.00	Dean's List – Honors (Top 10%)	May 2025
MLR Institute of Technology	Hyderabad, India
Bachelor of Technology in Computer Science	GPA: 3.58/4.00	July 2022

WORK EXPERIENCE

California State University, Los Angeles   Los Angeles, CA
Software Engineer   Oct 2023 – May 2025

- Collaborated with the ITS department to develop, test, and support university software services and applications used by students, faculty.
- Diagnosed and resolved software, hardware, and network issues through ServiceNow, providing technical support for various services such as Adobe Sign, DUO 2-Step Verification, Zoom, Teams, and VPN.
- Assisted in maintaining system security and improving service performance, ensuring reliable IT experiences across the university.

Tata Consultancy Services   Hyderabad, India
Systems Engineer   Aug 2022 – Aug 2023

- Built a full-stack web app with AngularJS, ReactJS, and Node.js, ensuring cross-platform compatibility.
- Enhanced database performance by 30% using PostgreSQL and Oracle SQL on Azure.
- Collaborated with teams to improve app functionality, performance, and user experience.

EPAM Systems   Hyderabad, India
Junior Software Engineer   Jan 2022 – June 2022

- Developed scalable software with Python, Java, JavaScript, ReactJS, AngularJS, and Node.js, enhancing performance and UX.
- Worked in Agile teams using Git, VSCode, and MySQL for version control, efficient development, and database optimization, ensuring maintainable, high-quality, and robust applications.

Virtusa Consulting Services Private Limited   Hyderabad, India
Software Engineer Intern   Aug 2021 – Dec 2021

- Created optimized software with Python, Java, and JavaScript, focusing on algorithms, debugging, and problem-solving in Agile teams.
- Experienced in SDLC phases: analysis, development, testing, and deployment. Delivered scalable, high-quality solutions on time, ensuring efficient project completion.

PROJECTS

Meal Planner Application (Using Spoonacular API)   Dec 2024

- Built a Meal Planner App with Node.js, Express.js, MongoDB, and Svelte.js (Vite), using Spoonacular API.
- Created JWT-authenticated RESTful APIs, Mongoose schemas, and a responsive front-end for seamless UX.

Heart Disease Prediction   Dec 2023

- Developed a heart disease prediction model using Python, leveraging machine learning algorithms, Scikit-learn, and Pandas for data preprocessing, feature selection, hyperparameter tuning, and advanced visualizations to optimize prediction accuracy.

Virtual trial Room   Dec 2021

- Engineered a real-time virtual try-on system using Python, OpenCV, PyTorch, and TensorFlow; integrated pre-trained object detection models to overlay clothing on key points, enhancing augmented reality applications in fashion through machine learning.

TECHNICAL SKILLS

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

Frameworks & Libraries: ReactJS, AngularJS, NextJS, Node.js, Express.js, Bootstrap, Tailwind CSS.

Databases: MongoDB, MySQL, PostgreSQL, Oracle RDBMS, Oracle SQL.

Web & API Development: HTML, CSS, GraphQL, REST, Vite, Postman.

Machine Learning & Tools: TensorFlow, Pandas, NumPy, Scikit-learn, Recommendation Systems, OpenCV.

Cloud, DevOps & Environments: Microsoft Azure, Git, VSCode, Android Studio, Windows, Linux, Microsoft Office, Google Suite.

CERTIFICATIONS

●**The Full Stack:** Meta.	●**Object Oriented Programming in Java:** UC San Diego.
●**Machine Learning:** University Of Washington.	●**MongoDB Node.js Developer Path:** MongoDB