

Sai Nikhitha Madireddy

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SUMMARY

Highly accomplished Full-Stack Software Engineer with 3+ years of experience, specializing in scalable development using ReactJS, Node.js, Python, Java, and Microsoft Azure. Proven ability to drive system optimization and implement data-driven solutions by leveraging Machine Learning.

EXPERIENCE

Community Dreams Foundation

Aug 2025 - Present

Software Engineer

- Developed and defined system functionality by improving the clarity and scope of project definitions by 20%.
- Executed the full Software Development Life Cycle ensuring adherence to industry standards.
- Collaborated with teams to debug, upgrade, and maintain applications while integrating essential user feedback.
- Deployed robust software solutions using Java, C++, and JavaScript, handling end-to-end development and maintenance in a large-scale system.

California State University, Los Angeles

Aug 2023 - May 2025

Software Engineer

- Engineered and optimized ServiceNow workflows and web applications, enhancing system performance by 40%.
- Developed and deployed internal software tools that streamlined IT operations, reducing issue resolution time and improving user efficiency.
- Collaborated on debugging, testing, and performance tuning to maintain secure, reliable, and scalable systems.
- Managed system security and scalability protocols, achieving 99.9% uptime and reliability across the entire university IT system.

Tata Consultancy Services

Aug 2022 - Aug 2023

Systems Engineer

- Built a full-stack web application with Node.js, ensuring cross-platform compatibility and reaching base of 500+ daily users.
- Enhanced database performance by 30% by meticulously tuning queries and schemas using PostgreSQL and Oracle SQL.
- Collaborated with teams to improve functionality and user experience, resulting in a 10% increase in user engagement metrics.
- Deployed the full-stack application and managed its infrastructure on Microsoft Azure, ensuring high availability and seamless cross-platform functionality.

EPAM Systems

Jan 2022 - June 2022

Junior Software Engineer

- Developed scalable software using Python, Java, Node.js, enhancing overall application performance and user experience (UX).
- Managed database optimization and maintainability through the use of MySQL, supporting the development lifecycle.
- Utilized Agile workflows with Git and MySQL for version control and database management, ensuring high-quality applications.

Virtusa Consulting Services

Aug 2021 - Dec 2021

Software Engineer

- Created optimized software with Python, Java, and JavaScript, focusing on debugging, and advanced problem-solving.
- Delivered high-quality solutions, ensuring 100% efficient completion through experienced execution of all SDLC phases.
- Executed end-to-end development in an Agile environment, applying expertise in Python and Java to deliver efficient solutions.

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, C#, JavaScript, TypeScript, C, C++, ReactJS, AngularJS, NextJS, Node.js, Express.js

Databases & Web Technologies: PostgreSQL, MySQL, MongoDB, HTML, CSS, GraphQL, REST, Vite, Bootstrap, Tailwind, Postman

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

Cloud, DevOps & Tools: Azure, Git, VSCode, Windows, Linux, Microsoft Office, Google Suite, Vercel

EDUCATION

CALIFORNIA STATE UNIVERSITY

Los Angeles, CA, USA

MS in Computer Science (GPA: 3.84)

Aug 2023 - May 2025

- Honors & Achievements: Special Recognition for graduating in the Top 10% of the program.

MLR INSTITUTE OF TECHNOLOGY

Hyderabad, India

BTech in Computer Science (GPA: 3.58)

July 2018 - July 2022

PROJECTS

Meal Planner Application | Node.js, Express.js, MongoDB, Svelte.js, Spoonacular API

- Built a full-stack meal planning app with authenticated RESTful APIs, responsive UI, and robust food data integration

Chat Mentor | Node.js, Express.js, PostgreSQL, OpenAI API

- Engineered AI platform to deliver personalized academic and professional guidance, including real-time interview feedback.

Virtual Trial Room | Python, OpenCV, PyTorch, TensorFlow

- Real-time virtual try-on with ML-based image overlay, enabling interactive AR clothing demos