Sai Nikhitha Madireddy

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SUMMARY

Versatile Computer Science professional skilled in software development, full-stack web applications, machine learning, and database optimization. Proficient in Python, Java, JavaScript, ReactJS, and Node.js. Experienced in deploying cloud solutions (Azure) and collaborating in Agile teams to deliver high-quality, scalable applications, optimizing performance, and adhering to SDLC best practices.

TECHNICAL SKILLS

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

Databases: MongoDB, MySQL, PostgreSQL, Oracle RDBMS. Oracle SQL.   *Web & API:* HTML, CSS, GraphQL, REST.

Machine Learning Tools: TensorFlow, Pandas, NumPy, Scikit-learn (SKLearn), Recommendation Systems, OpenCV.

Tools: VSCode, Git, Vite, Postman, Tailwind CSS.   *Cloud & DevOps:* Microsoft Azure.   *Dev & Runtime Env.:* Android Studio, Win, Linux..

PROFESSIONAL EXPERIENCE

California State University, Los Angeles   *Graduate Student Assistant | USA | Oct 2023 – May 2025*

- Achieved a 95% success rate in diagnosing and resolving software and network issues, optimizing cross-environment web application functionality.
- Improved IT workflows with ServiceNow, reducing ticket resolution time by 30% and enhancing web services performance by 40%, ensuring security compliance.

Tata Consultancy Services   *Systems Engineer | India | Aug 2022 – Aug 2022*

- Engineered a full-stack web application using AngularJS, ReactJS, and Node.js, ensuring cross-platform compatibility.
- Designed optimized database solutions with PostgreSQL and Oracle SQL, enhancing query performance by 30%. Deployed machine learning models on Microsoft Azure, improving scalability by 20%.

EPAM Systems   *Junior Software Engineer | India | Jan 2022 – Jun 2022*

- Developed scalable software solutions using Python, Java, JavaScript, ReactJS, AngularJS, and Node.js, enhancing performance and user experience.
- Collaborated in Agile teams, utilizing Git, VSCode, and MySQL for version control, efficient development, and optimized database management, ensuring maintainable codebases.

Virtusa Consulting Services Private Limited   *Software Engineer Intern | India | Aug 2021 – Dec 2021*

- Delivered optimized software solutions using Python, Java, and JavaScript by refining algorithms, debugging, and problem-solving in Agile environments.
- Gained expertise in the Software Development Lifecycle (SDLC) through requirements analysis, development, testing, and deployment, ensuring timely, high-quality deliverables.

EDUCATION

- **Master of Science, Computer Science**   *USA | Aug 2023 – May 2025*
  California State University, Los Angeles
- **Bachelor of Technology, Computer Science and Engineering**   *India | Aug 2018 – May 2022*
  MLR Institute Of Technology

PROJECTS

Meal Planner Application (using Spoonacular API)   Sep 2024 - Dec 2024

- Developed a Meal Planner App using Node.js, Express.js, MongoDB, and Svelte.js (Vite), integrating Spoonacular API.
- Designed JWT-authentication RESTful APIs, Mongoose schemas, and a responsive front-end for seamless user experience and functionality.

Heart Disease Prediction   Oct 2023 - 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   Aug 2021 - 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.

CERTIFICATIONS

- **The Full Stack:** Meta.
- **Machine Learning:** University Of Washington.
- **Data Structures and Algorithms:** UC San Diego.