Monika Sree Srinivasan

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Summary

Enthusiastic, passionate, and detail-oriented Computer Science Undergraduate with a deep passion for Software Development, Full Stack Development, Artificial Intelligence and Machine Learning (AIML). Possesses a solid understanding of software development principles, including Object-Oriented Programming and Agile methodologies. Eager to contribute to dynamic projects and accelerate professional growth in the ever-evolving tech landscape.

Work Experience

Undergraduate Research Opportunities Project (UROP)   August 2023 - December 2023
SRM University, AP

- Implemented Reversible data hiding method to ensure robust data integrity and confidentiality, enabling seamless extraction of embedded information without loss.
- This approach safeguarded sensitive data while maintaining accessibility and compliance with security standards of the embedded information without any loss.

Web Development On Django   June 2023 - July 2023
Intern at APSSDC

- Contributed to a Django project, focusing on web development and database management.
- Improved user interfaces, optimized database queries, and enhanced overall application performance.
- Utilized Django framework, along with HTML/CSS, JavaScript, and SQL.

Projects

Real-Time Chat Application using MERN Stack | HTML | CSS | React JS | Node JS | Express JS | MongoDB   July 2024

- Developed a full-stack chat application with a dynamic frontend using React JS and Chakra UI, and a robust backend using Node JS, Express JS, and MongoDB.
- Implemented secure user authentication (JWT), real-time messaging (Socket.io), user management (search, delete, rename), profile creation, login/logout, real-time notifications, and developed a RESTful API (Express.js) for a full-stack chat application.
- Utilized modern React hooks and Context API for efficient state management, ensuring smooth and secure user interactions.
- Crafted a responsive and scalable interface, guaranteeing a consistent and smooth user experience on all devices and screen sizes.

Medical Management System using c++   July 2023

- Designed and implemented a C++ system to manage medicine inventory and purchases.
- Maintained data integrity and accuracy with robust validation and error handling
- Utilized cpp,data structures and file handling techniques to build the system.

Music Recommendation system using python   august 2023

- Created a music recommendation system to tailor music suggestions based on user preferences.
- Employed Pandas for data manipulation, scikit-learn for algorithm development, and Matplotlib for visualizations.
- Tools and Technologies: Python, Pandas, scikit-learn, Matplotlib, SQL.

Skills

Programming Languages: Python, C++
Frontend Technologies: HTML, CSS, JavaScript, React JS, Bootstrap, Tailwind CSS, Vite JS
Backend Technologies: Node JS, Express JS, APIs, SQL, MongoDB, Firebase
Development Tools: Git, Github, Visual Studio Code, Jupyter Notebook
Other Skills: Data Structures and Algorithms (DSA), Object Oriented Programming (OOPs), Machine Learning, PowerBI, Problem Solving, Communication Skills

Education

SRM University, Guntur, Andhra Pradesh   Dec 2021 - Present
B.Tech in Computer Science and Engineering   (CGPA: 8.0)

Sri Gayatri Junior College, Miyapur, Telangana   2019 - 2021
Intermediate   (Percentage: 91.5)

Vidhya Mandir Em High School, Kadapa, Andhra Pradesh   2019
Class X   (Percentage: 80.0)

Certifications

Certificate of Completion - Database Management System in NPTEL

Certificate of Completion - Web Development on Django

Certificate of completion - Salesforce Developer Virtual Internship