DADI SAI SATHVIK

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EDUCATION

Bachelor of Technology in Computer Science Engineering	08/2019 – 07/2023
St. Martin's Engineering College	CGPA:7.36

EXPERIENCE

AI Research Internship   08/2024 – 11/2024
HaloHues Studios, Hyderabad.
Tech Stack: Python, Django, JavaScript, HTML, CSS, Git, Jira

- Developed responsive web applications using Django, HTML, CSS, and JavaScript, enhancing user experience and aligning with project goals.
- Conducted research and development to explore emerging AI technologies and tools.
- Contributed to the improvement of AI processes, methodologies, and provided support for AI-related issues.

SKILLS

- **Object Oriented Programming:** Python, Java
- **Frameworks**: Django, React
- **Frontend Technologies:** HTML, CSS, JavaScript
- **Cloud Technology:** Azure
- **Databases:** SQL
- **Tools:** Git, VS Code, GitHub, Docker(basic)
- **Operating Systems:** Windows
- **Analytical skills:** Data analysis, problem-solving, and optimization
- **Concepts:** Data Structures, Algorithms, REST APIs, Jira

PROJECTS

Urban Road Extraction from High-Res Satellite Images using Machine Learning
Tools used: Python | Artificial intelligence | Machine Learning | AdaBoost Algorithm

- Developed and implemented automated road extraction in urban regions from high-resolution satellite images.
- Demonstrated the effectiveness and robustness of the method through experiments with real Quick-Bird satellite images.

Voice-Based Heartbeat Monitoring and Alerting System for Elderly People

- Conceptualized and designed a cutting-edge Wireless Health Monitoring System, focusing on systematic monitoring of heart rate and SpO2.
- Engineered a comprehensive alerting mechanism within the system, enabling timely notifications based on fluctuations in heart rate and SpO2 levels.

Travel Management System

- Built a dynamic menu-driven application utilizing core Java concepts and the Collection API to streamline Booking operations for a new Travels and Logistics company.
- Designed functionality that enables users to choose source, destination, travel date, and number of passengers, incorporating validations for date, source, destination, and available vacancies.
- Implemented strong exception handling mechanisms to manage runtime exceptions, ensuring user-friendly error Messages for a better user experience.

CERTIFICATION

- Trained in Java Full Stack – Frontlines Media
- Certification in Python Programming- Cisco Networking Academy
- SQL Certification – HackerRank

STRENGTHS

- Demonstrated ability to design and implement visually engaging, interactive user interfaces using HTML, CSS, and JavaScript.
- Committed to writing modular, maintainable code and building reusable UI components that support application scalability.

- Built and nurtured strong technical relationships with peers and cross-functional partners.
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