**C Madhu Sudhan**

**Software Developer**

Enthusiastic Software engineer with over a year of experience crafting elegant solutions for technical projects. I aspire to establish a distinguished presence in the tech industry.

**EXPERIENCE**

LTIMindtree

Intern

March 2024 - May 2024

* Underwent specialized training in automated boundary detection using deep learning with Python, enhancing data processing efficiency by 30%.
* Collaborated in obtaining over 10,000 spatial labelled data points, dividing datasets for optimal model training, and exporting data for deep learning model development.
* Worked with the AI team to integrate trained models on new spatial imagery, leveraging cloud infrastructure to reduce deployment time.
* Achieved 95% accuracy in boundary detection results using version control systems for efficient collaboration and deployment.

Oasis Infobyte

Web Development and Design Intern

April 2023 - May 2023

* Developed a web application with HTML, CSS, and JavaScript, integrating Python for backend support and performance optimization.
* Open-sourced projects on GitHub to foster

collaboration and community engagement, to

enhance project visibility.

* Implemented new features, optimizing application

cloud infrastructure and version control for deployment.

**EDUCATION**

B. Tech (Electronics and Communication)

Rayalaseema University, Kurnool.

June 2020 - May 2024

**SELECTED PROJECT**

Battery Management System for Analysing Accurate Real Time Battery Condition Using Continual Learning

* Leveraged lithium-ion battery datasets to create accurate SoC estimations, preventing system interruptions by 2 hours per week and preventing battery overcharge/discharge.
* Achieved precise SoC evaluations, enhancing battery life and ensuring vehicle performance and safety.
* Incorporated real-time data analysis to dynamically adjust charging protocols, reducing energy consumption by 15% and optimizing charging efficiency.
* Utilized continuous learning algorithms to predict battery health, enabling seamless maintenance and extending overall battery lifespan.

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GitHub: [Madhu99-debug (github.com)](https://github.com/Madhu99-debug)

**SKILLS**

* Programming languages: Python, JavaScript
* Databases: SQL, PostgreSQL, RDBMS
* Technologies and Tools: HTML, CSS, Git, GitHub
* Soft skills: logical reasoning, written communication, Analytical & solve complex problems

**CERTIFICATIONS**

Data Scientist in Python

DataCamp - June, 2024

* Completed extensive training in fundamental data science skills, emphasizing proficiency in Python for data analysis, data importing, and preprocessing.
* Gained expertise in data manipulation and SQL querying techniques, particularly from courses like Joining Data in SQL, leveraging basic storage concepts for efficient data management.
* Utilized Git for version control, enhancing collaborative project management and code tracking, aligning with automated and continuous delivery practice events.
* Applied machine learning applications in Python and machine learning for business, incorporating AI techniques to drive data-driven decision-making.

Python programming

Udemy - Sep, 2023

* Received comprehensive Python training covering variables, data types, control structures, and functions, essential for software development and data manipulation and basic programming.
* Proficient in implementing advanced data structures and debugging like lists, dictionaries, tuples, and sets to optimize data manipulation and retrieval.
* Applied advanced Python techniques for code efficiency, specializing in data analysis and backend development through compilers.

Atlassian Agile Project Management Professional

LinkedIn learning - March, 2024

* Gained comprehensive knowledge in Agile project management principles and methodologies.
* Developed skills in using Atlassian tools such as Jira

for effective project planning, tracking, and execution.

* Learned about cross-functional teams to ensure seamless collaboration and timely delivery of project milestones, enhancing overall project efficiency and success.

**PROFESSIONAL ACHIEVEMENTS**

Quora Blogger

* Achieved strong engagement and impact on Quora, garnering over 800 followers and accumulating an impressive 695.6k content views.