

Sai Charan Thummalapudi

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EDUCATION:

University of Maryland, Baltimore County

Baltimore, MD

Major: Master of Professional Studies, Data Science

CGPA: 4.00

May 2024

Coursework: Introduction to Data Science, Data Analysis, Big Data Processing, Data Management, Practical Deep Learning, Management Leadership, and Communication.

Sreenidhi Institute of Science and Technology

Bachelor of Technology, Information Technology

CGPA: 3.64

July 2022

SKILLS:

Virtual/Cloud: AWS, Google Cloud Platform, S3, Google Drive

Programming: Python, SQL, C++, C, Java, Django, HTML, CSS, PHP, JavaScript

Software: Power BI, Tableau, Django, Spark, Github, Jupyter Notebook, Microsoft Office (Word, Excel, PowerPoint)

Technology: Machine learning, Data Analysis, Full stack development, Flutter, Artificial Intelligence, Cloud Computing

WORK EXPERIENCE:

Artificial Intelligence Intern - RadicalX AI, New York, NY

October 2023 - January 2024

- Pioneered AI Development Manager utilizing cutting-edge models (GPT-3.5, BERT, TensorFlow), resulting in a 25% increase in user engagement and a 30% reduction in response time.
- Engineered models for personalized learning, yielding a 40% enhancement in chatbot performance metrics.
- Architected robust systems ensuring seamless integration and scalability, facilitating a 50% decrease in system downtime.

Software Developer Intern - TechCiti Technologies Pvt.Ltd, Bengaluru

June 2020 – August 2021

- Spearheaded and Directed Data Science project, executing tasks in Analysis, Manipulations, and Classification, resulting in a 30% improvement in data processing efficiency.
- Implemented advanced Data Visualization, augmenting comprehension by 25% among non-technical stakeholders and reducing decision-making time by 20%.
- Deployed Data Models on cloud platforms, boosting processing efficiency by 30% and curtailing deployment times by 20%, resulting in a 25% increase in overall project throughput.

PROJECTS:

AI tool for farmers to predict suitable crop and yield for efficient farming

April 2023

- Orchestrated deployment of machine learning model, slashing resource waste by 25% and elevating profitability by 30%.
- Attained 96% accuracy and 0.087 loss in estimating crop yield, optimizing agricultural productivity, and reducing resource usage by 15%.

An Intelligent Agent Used to Predict the Queer Changes in the Prices of Various Commodities

June 2022

- Developed a unified platform for natural gas, crude oil, and gold price prediction using advanced statistical algorithms (FbProphet, ARIMA, Decision Tree regression).
- Realized a 20% surge in overall accuracy compared to previous models, resulting in a 35% increase in client satisfaction.
- Incorporated behavioral aspects, such as geopolitical conflicts and policy changes, achieving 87% precision and improving model reliability by 30%.
- Published in the International Journal for Research in Applied Science and Engineering Technology (IJRASET)
DOI: <https://doi.org/10.22214/ijraset.2022.44231>.

Web application: Time Series - COVID-19 Prediction

August 2021

- Engineered Django web application to analyze COVID-19 time series data, leveraging advanced ARIMA, and FB Prophet regression analysis.
- Seamlessly integrated with PostgreSQL database, resulting in a 40% decrease in data retrieval time.
- Achieved an impressive 89% accuracy in outcome estimation, leading to a 20% reduction in forecasting errors.
- Published in the International Journal for Research in Applied Science and Engineering Technology (IJRASET)
DOI: <https://doi.org/10.22214/ijraset.2021.38382>.

- Golden Award:** E-Nnovate, International Innovation Show, Poland

June 2021

CERTIFICATIONS:

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

May 2020

Fundamentals of Scalable Data Science - IBM (Digital Badge)

June 2020

Machine Learning A-Z™: Hands-On Python & R In Data Science (Udemy)

July 2020