SAI RAHUL DASARI

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SUMMARY

Data Scientist with expertise in machine learning, deep learning, and data visualization. Developed high accuracy predictive models and web apps, including a heart attack risk prediction tool and plant disease detection system. Proficient in Python, R, Power BI, and TensorFlow. Proven ability to deliver actionable insights through impactful projects and internships

EDUCATION

M.S. Computer Science Graduating December 2024
New Jersey Institute of Technology, Newark, NJ 3.25 GPA

Relevant coursework: Data Management System Design, Machine Learning, Data Analytics in R, Artificial Intelligence, Data Mining, Software Design and Production Methodology, Corporate Finance, Web Systems Development, Operating Systems, Data Structures and Algorithms

TECHNICAL SKILLS

Programming Languages: : Python, R, SQL, Java, C , HTML, CSS, JavaScript, Streamlit
Tools, Models & Frameworks: Power BI, Tableau, Scikit-learn, TensorFlow, Django, MS Excel, Spacy, NLTP, Pandas
Other Skills: AWS, Statistics, JIRA, MySQL, Git, GitHub, web application, teamwork, programming language programming, problem solving, information technology, dataset, written,vision, microsoft office, market innovation, information technology, excel data analysis, customer service, customer analysis, communication skills
Certifications: Big Data Analytics with Hadoop and Apache Spark

ACADEMIC PROJECTS

Heart Attack Risk Prediction Web App
Independently developed and deployed a high-accuracy machine learning web app

- Developed a **Heart Attack Risk Prediction Web App** using machine learning, achieving **98.4%** accuracy
- Deployed on Streamlit, featuring **real-time risk predictions** and **intuitive visualizations** to support informed health decisions.

Mercedes-Benz Stocks Price Prediction
Led a team of four and worked on training the Long-Short-Term-Memory model

- Created a **Long-Short-Term-Memory** model for predicting **Mercedes-Benz** stock prices
- Achieved an accuracy of **97.8%** accuracy **forecast** of future stocks price, and **compared performance** with Honda, Porsche and Hyundai to uncover **market trends and insights**

Tomato Plant Disease Detection
Independently developed a Convolutional Neural Network (CNN) with high accuracy

- Created a **CNN model** for detecting tomato plant diseases with **98.74%** accuracy
- Distinguished between Early Blight, Late Blight, Bacterial Spot, and healthy plants
- Helpful for **farmers** in **detecting** the tomato **plant disease**

TRAINING AND INTERNSHIP EXPERIENCE

Data Science Intern
Codegnan IT Solutions

- Learned and applied model performance using appropriate metrics and fine tuning hyper parameters to optimize results
- Coordinated with 5 junior data scientists to plan and develop Attrition reports and insights for HR

PUBLICATIONS

- Working on **Heart Attack Risk Prediction Web App** research paper