

Sai Harish Boddu

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Education

University of Connecticut

Master in Business Analytics and Project Management

May - 2025

Hartford, Connecticut, USA

Chaitanya Bharathi Institute of Technology

Bachelor of Engineering in Electronics and Communication

November 2020

Hyderabad, Telangana, India

Skills

Languages : R, Python, SQL, HTML, Java, JavaScript

Frameworks and Libraries : NumPy, Pandas, Scikit-learn, Selenium, JMeter, Power BI, Tableau, Mockito, JUnit, Playwright

Technologies : Git, AWS, Azure, Linux, Docker, Jenkins, Terraform, MySQL, PostgreSQL, Oracle Database, Snowflake, ETL Pipelines, NoSQL, MongoDB, JIRA, Agile, CI/CD

AWS : Lambda (Serverless), EC2, S3, VPC, IAM, Cloud Formation, Cloud Watch, DynamoDB, API Gateway, Amazon RDS

Certifications : DataCamp Certifications, AWS Certified Developer - Associate

Domains : Business Analytics, Data Visualization, Project Management, Test Automation, Financial Services, Software Development Lifecycle

Experience

Kaggle Competitions

Ongoing

Data Scientist | Python, R, Machine Learning, Data Visualization

Remote

- Participated in various Kaggle competitions, focusing on predictive modeling and data visualization techniques.
- Achieved an F1 score of 81% in the cryptocurrency competition, ranking among the top 10% of participants.
- Performed exploratory data analysis and developed machine learning models using Python libraries such as Scikit-learn and Pandas.

Connecticut Sea Grant Program, UConn

September 2023 - Present

Student Administrator Assistant | Data Analysis, Transcribing, Excel, ArcGIS

Hartford, CT, USA

- Conducted data analysis and cleaning using Excel, contributing to more efficient data management.
- Transcribed meeting notes and created presentations using Story Map ArcGIS for marine debris conferences.
- Developed reports to assist in project tracking and stakeholder communication.

Accenture

February 2021 - August 2023

Web Developer | HTML, CSS, JavaScript, Test Automation, Selenium, JMeter, Agile

Hyderabad, India

- Developed and maintained responsive web applications, enhancing user experience through clean, modern designs.
- Automated testing processes using Selenium and JMeter, achieving a 90% reduction in manual testing time.
- Collaborated with cross-functional teams in an Agile environment, resulting in a 30% increase in project delivery speed.
- Participated in code reviews, improving code quality and ensuring adherence to best practices.
- Implemented CI/CD pipelines for automated deployment, improving software release cycles by 40%.

Projects

Boston Housing Dataset | R, Python

- Accomplished an AUC score of 0.85 for the decision tree, 0.92 for the boosted tree, and 0.88 for bootstrap forest models on both training and validation sets, demonstrating proficiency in predictive modeling techniques and model evaluation.
- Executed pre-processing, clustering, and feature implementation techniques with 95% data integrity, resulting in enhanced data quality and improved analytical outcomes for decision-making processes.

Wine Dataset | R

- Leveraged a Linear Regression model in R to address a specific problem statement related to wine sweetness, attaining an R-squared value of 0.75, indicating a strong correlation between predictor variables and sweetness levels.
- Formulated a comprehensive project report on the topic of the sweetest wine, synthesizing findings, insights, and recommendations for stakeholders.

Digital CT U-pass | MariaDB, SQL

- Deployed a MariaDB-based Data Definition Language (DDL) script for a digital bus pass system, achieving a 30% reduction in database setup time.
- Crafted an Entity-Relationship Diagram (ERD) for comprehensive system visualization, driving a 25% improvement in understanding system architecture among stakeholders.
- Employed SQL to compile reports for effective data analysis, leading to a 20% increase in data-driven decision-making capabilities.

Resource and Material Bidding Project | MS-Project

- Revamped and optimized resource and material bidding processes, resulting in a 15% increase in profitability and streamlined procurement operations.

Major Project on License Plate Detection | Raspberry Pi, OpenCV

- Administered a novel solution for license plate detection using the AVPNR system, implementing image processing concepts with 2500 advanced AI algorithms.
- Utilized Machine Learning, Raspberry Pi, Ultrasonic Sensors, and a camera for model implementation.

Capstone Project: Ananda Exchange | LLMs, Chatbot Development

- Designed a chatbot for Ananda Exchange, a crypto-based startup, utilizing large language models (LLMs) along with signaling aspects.

Tableau Dashboards | Tableau

- Developed interactive dashboards, now proficient as an intermediate Tableau user, showcasing data insights and visualization capabilities.

Business Decision Modeling | UConn MSBAPM Curriculum

- Acquired foundational skills in business decision modeling, including brute force and Monte Carlo simulations, along with various business decision models, preparing for effective data-driven decision-making.