

Sai Adarsh Kasula

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Education

Rutgers University

Master of Science in Data Science

September 2023 – Present

New Brunswick, NJ

- **Relevant Coursework:** Data Structures and Algorithms, Advanced Database Management Systems, Regression and Time Series, Financial Data Mining

Gitam University

Bachelor of Technology in Computer Science

September 2017 – August 2021

Hyderabad, India

- **Relevant Coursework:** Software Engineering, Machine Learning, Object Oriented Programming, Cloud Computing, Artificial Intelligence, Data Warehouse and Mining

Experience

Rutgers University - School Of Social Work

Faculty Research Account

May 2024 – Present

New Brunswick, NJ

- Guided my team on how to use Chat GPT, which led to a noticeable boost in productivity by 25% and made our workflow processes 30% faster.
- Held engaging Tableau training sessions, enabling staff to create interactive, easy-to-understand workbooks, which improved data comprehension and decision-making efficiency by 40%.

LTIMindtree Pvt Ltd.

Business Analyst

Jun 2021 – August 2023

Mumbai, India

- Enhanced team efficiency by 30% by translating business requirements into well-defined project scopes.
- Led Agile projects including a Success Factor dashboard and a hiring portal, ensuring all deliverables were met.
- Engaged with over 15 stakeholders to gather feedback, manage expectations, and align projects with business needs, increasing customer satisfaction by 15%..
- Streamlined workflows, reducing redundancies by 25%, and improving overall efficiency within business operations.

Dhaynahitha Laboratory

Data Science Intern

May 2020 – July 2020

Hyderabad, India

- Assisted in developing machine learning models to improve predictive analytics and enhance decision-making processes.
- Worked with cross-functional teams to define project requirements and deliver effective data-driven solutions.
- Participated in the design and implementation of data pipelines to automate data collection and processing.

Projects

Twitter Search Application | Python, Flask, MySQL, MongoDB [PROJECT LINK](#)

Masters Project

- Developed a Twitter Search Application using Flask, MySQL, and MongoDB.
- Achieved a 50% reduction in search response time, enabling the application to handle 1,000 concurrent users efficiently.
- Analyzed and stored 134k tweets and 90k users, optimizing data retrieval with indexing and caching.

Enhancing Predictive Modeling using bootstrapping | Python, Machine Learning Models [PROJECT LINK](#)

Masters Project

- Analyzed a 50,000-record employee promotion dataset, achieving 85% accuracy in predicting promotions using advanced machine learning techniques.
- Achieved superior model performance using BLB techniques, with Logistic Regression achieving 95% coverage and 81.4% accuracy.
- Utilized BLB method, achieving 95.8% coverage on average, wider confidence intervals (CI) by 1.37 on average, and minimal bias across models.

Technical Skills

Languages: Python, R programming, C++, SQL, JavaScript, HTML, CSS, MATLAB

Database Management: NoSQL Databases (MongoDB, Cassandra), Google BigQuery, Excel

Data Manipulation and Analysis: Tableau, Power BI, Apache Hadoop, Apache Spark, Docker, Kubernetes

Data Visualization: Tableau, Power BI

Frontend, Backend Frameworks/Version Control: Django, Flask, React, Bootstrap, GitHub, Git

Additional Skills: Problem Solving, Critical Thinking, Machine Learning, Google Cloud Platform, Communication Skills.