

SUSHMA REDDY JAKKU

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PROFESSIONAL SUMMARY

I'm a Computer Science and Engineering graduate with a specialization in Data Science, with hands-on experience in Python, data analytics, and cloud computing through internships at Acmegrade and AICTE. During these roles, I worked on real-world datasets, built dashboards, and explored machine learning models, gaining both strong technical skills and practical problem-solving ability. Proficient in tools like Tableau, Power BI, and Excel, I enjoy transforming raw data into clear insights and actionable stories. I'm eager to apply my analytical mindset, coding expertise, and collaborative approach to solving real-world challenges in data science and analytics.

SKILLS

- **Programming & Databases:** Python, SQL, R
- **SDLC & Methodologies:** Software Development Life Cycle, Agile methodologies
- **Visualization & Big Data Tools:** Tableau, Power BI, Excel, Jupiter Notebook, Spark, Hadoop
- **Cloud Platforms:** AWS (Cloud Computing, Data Analytics)
- Collaboration & Communication Skills
- **Libraries & Tools:** Pandas, NumPy, Scikit-learn, PyTorch, Matplotlib
- **Data Analytics:** Data Cleaning, Exploratory Data Analysis (EDA), Data Processing, Visualization
- **Mathematics & Statistics:** Statistical Modeling, Regression
- Problem-Solving & Critical Thinking
- **Artificial Intelligence & Machine Learning:** NLP, Deep Learning, Classification, Regression, Clustering, Supervised and Unsupervised Learning

EXPERIENCE

AWS Data Analytics - Virtual Internship, 05/2023 - 08/2023

AICTE Eduskills – Hyderabad, India (Remote)

- Assist in collecting, cleaning, and analyzing datasets to identify trends and actionable insights.
- Develop dashboards and reports using tools such as Excel, Tableau, and Power BI for effective data visualization.
- Support data-driven decision-making by preparing statistical analyses and building predictive models.
- Collaborate with cross-functional teams to ensure data integrity and align analytics efforts with business goals.

Data Science - Internship, 08/2022 - 10/2022

Acmegrade – Hyderabad, India (Remote)

- Built a movie recommendation system to suggest personalized movies to users.
- Applied content-based filtering to recommend movies similar to those a user already likes.
- Used collaborative filtering to suggest movies based on preferences of users with similar tastes.
- Worked with datasets containing movie genres, actors, and user ratings for model training
- Performed data preprocessing, cleaning, and feature engineering to improve model accuracy.
- Implemented machine learning algorithms to generate recommendations.
- Created data visualizations to analyze results and demonstrate insights.
- Showcased skills in Python, machine learning, and data science workflows.

CERTIFICATIONS

AWS Cloud Computing(ICT academy by cognizant)

AWS Academy Data Analytics (AICTE Eduskills Foundation)

AWS Academy Cloud Foundations (AICTE Eduskills Foundation)

Infosys Springboard - Python

Data Analytics Job Simulation(Deloitte)

PROJECTS

Social Media – Misleading Information

- Developed a user-friendly web application to verify and track the spread of misleading information.
- Analyzed the causes, consequences, and potential solutions to misinformation, with a focus on algorithms, user behavior, and regulatory measures.
- Examined the real-world impact of misinformation on public health, politics, and social cohesion.

Stock price prediction using Twitter Dataset

- Built a responsive web application that uses machine learning to predict stock price movements by analyzing Twitter sentiment.
- Integrated natural language processing (NLP) techniques to extract and analyze social media data.
- Correlated sentiment with market trends to generate insights for stock price predictions.

EDUCATION

BTech: Computer Science and Engineering (Data Science), 2024

CMR Institute of Technology - Hyderabad

Intermediate: 2020

Narayana Junior College - Hyderabad

SSC: 2018

Geeta High School - Hyderabad