

SOMASHEKAR REDDY NAKKA

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Summary

Aspiring machine learning enthusiast with a strong foundation in data analysis, machine learning algorithms, and statistics. Seeking to leverage my skills and experience to contribute to innovative projects and promote data-driven decision-making in a dynamic and demanding workplace.

Experience

Advanced App Engineering Analyst

Oct 2022 – Nov 2023

Accenture

Hyderabad, Telangana

- Developed and optimized PL/SQL scripts to automate data validation processes, proactively detecting and resolving anomalies before they impacted client operations.
- Led a team of 3 analysts in designing and implementing SQL-based monitoring tools, improving issue detection efficiency and reducing downtime by 20%.
- Responded to critical alerts in real-time using SQL and Unix, troubleshooting and resolving issues promptly to ensure seamless system performance.
- Engineered custom solutions for large-scale data analysis, generating insights that drove strategic decisions and improved operational efficiency.

Projects

Recommender System | Python, TensorFlow, Keras

GitHub

- Developed a recommender system to predict user ratings for movies using collaborative filtering techniques.
- Implemented matrix factorization and neural collaborative filtering models using TensorFlow and Keras.
- Achieved an RMSE of 0.85 and an MAE of 0.65, demonstrating significant accuracy in predicting user ratings

Retail Analysis Walmart | Python, Pandas, Matplotlib, Seaborn

GitHub

- Performed comprehensive analysis of Walmart sales data to identify trends and insights.
- Identified key sales trends with a Pearson correlation coefficient of 0.85 and achieved an R^2 score of 0.82 in predictive modeling.
- Generated detailed reports highlighting key performance indicators and sales patterns.

Technical Skills

Languages: Python, SQL

Data Analysis and Visualization: Pandas, Numpy, Matplotlib, Seaborn

Machine Learning: Scikit-learn, TensorFlow, Keras, NLTK, XGBoost

Core Competencies: Statistical Analysis, Supervised and Unsupervised Learning, Reinforcement Learning, Deep Learning, Natural Language Processing, Feature Engineering, Generative AI, Large Language Models

Certifications

Machine Learning Specialization: Coursera (offered by Stanford University)

Data Analysis with Python: FreeCodeCamp

SQL and Python Certifications: Hackerrank

Education

National Institute of Technology, Delhi

2018 – 2022

Bachelor of Technology in Electronics and Communication Engineering

Delhi

SASI Junior College

2015 – 2017

Intermediate, M.P.C

Andhra Pradesh

SASI English Medium High School

2014 – 2015

10th Class

Andhra Pradesh