

Radhika S

Machine learning engineer

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Profile

Purposeful Data Scientist with an M.Sc. in Statistics and experience in machine learning, data analysis, and predictive modeling. Proficient in Python and SQL, with strong skills in TensorFlow and data visualization. Adept at translating complex data into actionable insights and developing scalable solutions to drive business success. Seeking a challenging role to use my ability in data science and contribute to organizational growth.

Experience

Machine Learning Engineer

Intern *Sys Wave technologies,*

Hyderabad 2023-07-17 – 2023-10-31

- Led the development and deployment of machine learning models to solve IT sector challenges.
- Constructed and supported scalable ML pipelines using Python, Python Torch, and TensorFlow.
- Implemented optimization strategies to enhance model performance and accuracy.
- Monitored and evaluated model performance in production environments.
- Collaborated with cross-functional teams to integrate ML models into various products and services.

Data Analyst Intern

B Analogic, Hyderabad

2022-06-30 – 2023-06-30

- Developed ability in Python and ML techniques for data analysis projects.
- Ensured data quality and integrity through cleaning, preprocessing, and feature engineering.
- Utilized Anaconda Navigator, Anaconda Notebook, and MySQL for data manipulation.
- Worked with cross-functional teams to provide insights for decision-making.
- **Notable Project: IBM Employees Attrition** - Conducted attrition prediction analysis and provided actionable recommendations to reduce turnover.

Education

MASTERS IN STATISTICS | JULY 2021 | KESHAV MEMORIAL INSTITUTE OF COMMERCE & SCIENCES, NARAYANAGUDA, HYDERABAD, TELANGANA, INDIA

BACHELOR OF SCIENCE | JUNE 2019 | NEW SIDDHARTHA DEGREE COLLEGE, CHINTAL, HYDERABAD, TELANGANA, INDIA

Skills & Abilities

- Python
- SQL
- TensorFlow
- Torch
- Keres
- Scikit-learn.
- Pandas
- NumPy
- Matplotlib
- Seaborn
- Supervised Learning
- Unsupervised Learning
- Deep Learning
- Neural Networks
- Regression Analysis
- Classification
- Clustering
- Jupiter Notebook
- Anaconda
- Tableau

Additional Skills:

- Model Deployment
- Model Optimization
- Data Preprocessing
- Feature Engineering
- Hyperparameter Tuning
- Cross-Validation
- A/B Testing
- Data Visualization
- Predictive Modeling
- Statistical Analysis

Soft Skills:

- Problem-solving
- Analytical Thinking
- Communication
- Team Collaboration
- Project Management
- Critical Thinking

Projects

Data-Driven Approach for Predicting Taxi Fare Amounts and Optimizing the Dispatch System

- Conducted data analysis and built predictive models to accurately estimate taxi fares, reducing customer complaints by 15% and increasing driver satisfaction by 10%.
- Coordinated with cross-functional teams to integrate the predictive model into a real-time taxi booking and dispatch system, leading to a 20% reduction in dispatch time and a 5% increase in customer retention.
- Enhanced system accuracy and efficiency, resulting in increased customer satisfaction and operational cost savings of \$100,000 annually.

Machine Learning-Based Customer Churn Prediction for Vodafone Telecommunications

- Developed a machine learning model using Python and Matplotlib to predict customer churn, resulting in a 25% reduction in churn and \$500,000 in annual revenue.
- Achieved 98% prediction accuracy, offering valuable insights for strategic business decisions.
- Cleaned and analyzed data with Pandas and Tableau to show key trends, resulting in a 30% increase in customer satisfaction.

certification

Data Science with Python - B Analogic

2022-01-02

- Comprehensive data science course covering data analysis, machine learning, and deep learning.
- Ability in Python, NumPy, Matplotlib, Seaborn, SQL, and Tableau. - Completed nine firsthand projects covering various data science concepts and techniques.

Accenture North America - Data Analytics and Visualization Job Simulation

2024-11-02

- Conducted in-depth data cleaning, modeling, and analysis of 7 datasets for actionable insights into social media trends.
- Prepared PowerPoint presentations and communicated results to stakeholders.

Quantum - Data Analytics Job Simulation

2024-11-02

- Built and analyzed metrics to evaluate promotional campaign performance, proving advanced analytical and statistical skills.