Laranya Presingi

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Education

Andhra University College Of Engineering 8.74 GPA
Bachelor of Technology-Computer Science and Systems Engineering

Ascent Junior College 9.79 GPA
Intermediate - Maths,Physics and Chemistry

Experience

Junior Data Scientist Oct 2023 – Present
TATA CONSULTANCY SERVICES *Hyderabad,IND*

- Deployed and maintained a machine learning model in Azure Machine Learning Studio to classify customer emails into six categories
- Improved model accuracy from 75% to 88% using data augmentation and advanced preprocessing techniques.
- Automated monthly data analysis to evaluate model performance, integrating insights into a Power BI dashboard for real-time monitoring.
- Optimized system performance by migrating endpoints from V1 to V2 and implemented auto-scaling and deployed SVC model as highest performing classifier.

Machine Learning Intern May 2022 – July 2022
RASHTRIYA ISPAT NIGAM LIMITED (RINL) *Visakhapatnam,IND*

- Developed a machine learning model to predict critical temperatures (skin temperature and top gas temperature) for RINL's blast furnace
- Utilized Pandas and Matplotlib for data cleaning and visualization and performed regression analysis to identify the most optimized predictive model for accurate temperature forecasting.
- Deployed the trained model using Streamlit, enabling an interactive and user-friendly interface for real-time predictions.

Projects

DIABETES AND CARDIOVASCULAR DISEASE PREDICTOR | *Scikit-Learn,Pandas,Matplotlib,Streamlit*

- Developed a Streamlit-based website to predict diabetes and cardiovascular disease, utilizing machine learning models for accurate predictions.Used Pandas, Matplotlib, Jupyter Notebook, and Scikit-learn for data analysis, visualization, and model development.

CUSTOMER CHURN PREDICTION | *Python,Scikit-Learn,Pandas,Matplotlib*

- Conducted end-to-end customer churn prediction in the telecom sector using a Telco dataset (7600 rows), including exploratory data analysis, feature engineering, and data scaling.
- Built and evaluated multiple machine learning models, achieving 85% accuracy with Logistic Regression as the best-performing model.

TABLEAU DASHOBARDS | *Tableau*

- Developed a Tableau dashboard analyzing supermarket data, including month-wise revenue, age-wise and gender-wise sales analysis, revenue per state, and regional revenue insights.
- Created a Tableau dashboard visualizing the global impact of the COVID-19 pandemic, highlighting effects across different countries.

Technical Skills

Languages:Python, Java, C/C++, SQL, JavaScript, HTML/CSS
Libraries and Frameworks:NumPy, Seaborn, Matplotlib, Sci-kit Learn, Tensorflow, Streamlit, Keras, Excel, Natural Language Processing
Developer Tools:Visual Studio Code, Tableau, MySQL, Microsoft Azure, Docker
Academic Subjects:Data Structure and Algorithms, Database Management Systems, Machine learning, Data Mining and Analysis

CERTIFICATIONS

- Python for Data Science by NPTEL (IIT Chennai)
- Programming for everybody (Getting started with Python) by University of Michigan
- Elements of Al by University of Helsinki
- AWS Certified Al Practitioner