

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

- **Built and deployed** a machine learning model to classify email case types within **Microsoft Dynamics CRM 365**, improving operational efficiency.
- Migrated the ML model endpoint from **Azure Classic** to **Azure Portal**, transitioning from v1 to v2 (**Managed Endpoint**) for enhanced performance, scalability, and reliability.
- Implemented **autoscaling** to dynamically allocate resources, reducing endpoint load, **preventing failures**, and optimizing compute resources.
- **Improved model accuracy from 82% to 88%** by implementing **data augmentation**, **feature engineering**, and advanced preprocessing techniques, ensuring higher prediction reliability and deployed **SVC model** as highest performing classifier
- **Automated monthly data analysis** to evaluate model performance, integrating insights into a **Power BI** dashboard for real-time monitoring.

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 DASHBOARDS | *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, PyTorch
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 AI by University of Helsinki
- AWS Certified AI Practitioner
- Probability Theory for Data Science by NPTEL (IIT Tirupati)