

# Laranya Presingi

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## TECHNICAL SKILLS

**Programming and Scripting** : Python, Java, C/C++, SQL,HTML/CSS

**Machine Learning and AI** : Scikit-Learn, TensorFlow, PyTorch, Keras, Hugging Face, Natural Language Processing (NLP), Data Mining, Deep Learning

**Data Processing and Visualization** : Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Excel

**Cloud and DevOps** : Microsoft Azure (ML Studio, Managed Endpoints), Azure DevOps, GitHub Actions, Docker

**Databases** : MySQL, SQL4CDS, Database Management Systems (DBMS)

## EXPERIENCE

### Junior Data Scientist

October 2023 – Present

TATA CONSULTANCY SERVICES

Hyderabad, IND

- Built and deployed a machine learning model to classify email case types within Microsoft Dynamics CRM 365, which processes 100K+ customer emails annually, improving workflow efficiency and reducing manual triaging.
- Designed and automated a CI/CD pipeline in Azure DevOps with GitHub Actions, enabling seamless ML model deployment by auto-triggering endpoint creation, eliminating manual release processes.
- Implemented autoscaling to dynamically allocate resources, reducing endpoint load, preventing failures, and optimizing compute resources reducing customer's annual cost by 35%.
- Developed a Python job integrated with Microsoft 365 CRM via SQL4CDS to automatically delete non-actionable emails (OOO/Pleasantry), streamlining case management and reducing storage by 10%.
- 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

### 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.

### 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.

## 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

## CERTIFICATIONS

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- 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)