

# Laranya Presingi

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## TECHNICAL SKILLS

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**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

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### 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

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### 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 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.

## EDUCATION

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### 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)