

# Sri Charan Thoutam

@ thoutamsricharan@gmail.com

✉ Warangal, India

🔗 CodeWithCharan

☎ +91 8897523345

🌐 CodeWithCharan

## INTERSHIPS

Data Science Intern  
Innomatics Research Labs  
📅 Sep 2024 – Present

Machine Learning Intern  
Mentorless  
📅 Nov 2023 – Dec 2023

- Developed a Salary Prediction Model for Data Professions, achieving **94% accuracy**. Integrated data preprocessing, EDA, model training & evaluation.
- 🔗 CodeWithCharan/Salary-Prediction-Project

## EDUCATION

B.Tech in Computer Science and Engineering (AI & ML)  
Ganapathy Engineering College  
📅 09/2021 - 07/2024 📍 CGPA: 7.01/10

Diploma in Electronics and Communication Engineering  
VMR Polytechnic  
📅 05/2018 - 07/2021 📍 CGPA: 7.5/10

Board of Secondary Education SSC - Class X  
ASSISI ENGLISH MEDIUM SCHOOL  
📅 04/2018 📍 CGPA: 8.3/10

## PROJECTS

Text Summarizer App  
Tech: Python, Transformers, NLP, MLOps, Docker, CI/CD, AWS

- Developed a text summarization app using the **Pegasus model**, fine-tuned with the **SAMSum dataset** for high-quality summarization.
- Built a comprehensive **MLOps pipeline** for **Data Ingestion, Validation, Transformation, Model Training, and Evaluation**, ensuring a seamless workflow.
- Automated **CI/CD** pipelines using **Docker** and **GitHub Actions**.
- Created a **Streamlit** UI and deployed the app on **AWS EC2** via **ECR**.
- 🔗 CodeWithCharan/Text-Summarizer

Automatic Language Detection  
Tech: Python, NLP, Classification, Docker, FastAPI

- Developed a **language detection system** capable of identifying multiple languages with **97% accuracy**, useful for **multilingual applications**.
- Utilized **CountVectorizer** for Natural language processing and implemented a **Naive Bayes classifier** for classification.
- Deployed the system as a web API using **FastAPI** and **Docker**, hosted on the **Render Platform**.
- 🔗 CodeWithCharan/Automatic-Language-Detection

## TECHNICAL SKILLS

- Programming Languages:**
  - Python (Proficient)
- Data Science Expertise:**
  - Data Cleaning, Data Preprocessing, Feature Engineering, EDA, Model Training and Model Evaluation
- Machine Learning Algorithms:**
  - Supervised Learning:** Linear Regression, Logistic Regression, Naive Bayes, Decision Trees, Random Forest, SVM, KNN
  - Unsupervised Learning:** K-Means, PCA
  - Ensemble learning:** Bagging Classifier, XGBoost
- Deep Learning:** Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN)
- Mathematics for ML & DL:** Statistics, Probability, Calculus, Linear Algebra
- Libraries & Frameworks:** TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Hugging Face Transformers, FastAPI, Streamlit, Flask
- MLOps:** MLFlow, Docker, GitHub Actions, DagsHub
- Web Development:** HTML, CSS, JavaScript
- Databases:** MySQL, MongoDB
- Cloud:** AWS EC2, ECR
- Version Control:** Git, DVC
- Tools:** Jupyter, Visual Studio Code, YAML
- Operating Systems:** Windows, Linux (Ubuntu)

## ACHIEVEMENTS

- In Python, I have earned **5 stars** on **HackerRank**
- In a **Kaggle competition**, I achieved **rank 1896** out of 68761 participants

## CODING PROFILE

- LeetCode** - leetcode.com/u/CodeWithCharan
- HackerRank** - hackerrank.com/CodeWithCharan

## CERTIFICATES

- Python:** HackerRank
- Problem Solving:** HackerRank
- Machine Learning with Python:** freecodecamp

## LINKS

- 🌐 CodeWithCharan
- 🔗 CodeWithCharan
- 🌐 codewithcharan.github.io/My-Portfolio