

Sri Charan Thoutam

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🔗 CodeWithCharan

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INTERSHIPS

Data Science Intern Innomatics Research Labs

- 📅 Sep 2024 – Present
- Analyzed **Electric Vehicle (EV)** sales trends across the U.S.
 - Conducted **Data Cleaning** to ensure **high-quality**, usable **data** for analysis.
 - Performed **Exploratory Data Analysis (EDA)**.
 - Developed a **Choropleth Map** to display the **distribution** of EV by state, uncovering key **market insights**.
 - Created a **Racing Bar Chart** to visualize year-wise **EV sales** by manufacturers, highlighting the **growth of leading brands**.
 - 🔗 CodeWithCharan/DataAnalysis-on-Electric-Vehicle

Machine Learning Intern Mentorness

- 📅 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

SKILLS

- Programming Languages:** Python (Proficient)
- Data Science Expertise:** Data Cleaning, EDA, Feature Engineering, Data Preparation, Model Training and Model Evaluation
- Machine Learning:** Linear Regression, Logistic Regression, Decision Trees, Random Forest, XGBoost
- Deep Learning:** ANN, CNN, RNN
- Generative AI:** LangChain, LLMs (e.g., GPT, Gemini, LLaMA)
- Frameworks:** TensorFlow, PyTorch, Scikit-learn, FastAPI, Streamlit.
- MLOps:** MLFlow, Docker, GitHub Actions, DagsHub
- Databases:** MySQL, MongoDB
- Cloud:** AWS EC2, ECR, S3 bucket
- Version Control:** Git, DVC

PROJECTS

Text Summarizer App

Tech: Python, NLP, Docker, CI/CD, AWS

- Developed a **Text Summarization App** that will summarize any **text, dialogue, conversation** or **article**.
- MLOps pipeline:** Data Ingestion, Validation, Transformation, Model Training, and Evaluation.
- Automated **CI/CD** pipeline using **GitHub Actions & Docker**.
- Deployed the **Streamlit App** on **AWS EC2** via **ECR**.
- 🔗 CodeWithCharan/Text-Summarizer

Automatic Language Detection

Tech: Python, NLP, Docker, FastAPI

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

ACHIEVEMENTS

- Earned **5 stars** in **Python** on HackerRank
- Earned **5 stars** in **SQL** on HackerRank
- Achieved **rank 1896** out of 68761 participants in a Kaggle competition

CODING PROFILE

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

CERTIFICATES

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

LINKS

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