

Sri Charan Thoutam

@ thoutamsricharan@gmail.com

✉ Warangal, India

🔗 CodeWithCharan

☎ +91 8897523345

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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 & Deep Learning:**
 - Supervised Learning:** Linear Regression, Naive Bayes, Logistic Regression, Decision Trees, Random Forest, SVM
 - Unsupervised Learning:** K-Means, PCA
 - Ensemble Learning:** XGBoost
 - Deep Learning:** CNN, RNN
- Generative AI:**
 - LangChain, Fine-tuning LLMs (e.g., GPT, Gemini, LLaMA)
 - Prompt Engineering
 - Embeddings & Vector Databases
- Libraries & Frameworks:**
 - TensorFlow, PyTorch, Scikit-learn, FastAPI, Streamlit, Hugging Face Transformers.
- MLOps:** MLFlow, Docker, GitHub Actions, DagsHub
- Web Development:** HTML, CSS, JavaScript, React
- Databases:** SQL, MongoDB
- Cloud:** AWS EC2, ECR
- Version Control:** Git, DVC
- Tools:** Jupyter, Visual Studio Code, YAML
- Operating Systems:** Windows, Linux (Ubuntu)

ACHIEVEMENTS

- Earned **5 stars** in **Python** 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
- 🔗 CodeWithCharan
- 🌐 codewithcharan.github.io/My-Portfolio