Sri Charan Thoutam

FRESHER

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INTERNSHIPS

Machine Learning Intern
Mentorness

📅 Nov 2023 – Dec 2023

- Developed a Salary Prediction Model for Data Professions.
- Performed several tasks such as EDA, Feature Engineering, Model training and Model Evaluation.
- Created a user interface with Flask.
- ◯ CodeWithCharan/Salary-Predicition-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

End-to-End MLOps Project
Tech: Python, MLFlow, Docker, CI/CD, Flask, AWS

- Developed a web app to check wine quality on a scale of 0-10.
- Structured the project into reusable and maintainable modules.
- Implemented pipelines for Data Ingestion, Data Validation, Data Transformation, Model Training and Model Evaluation.
- Utilized MLOps tools such as MLFlow for experiment tracking, Docker for containerization, and GitHub Actions for CI/CD.
- Created a user interface with Flask.
- Deployed on AWS using EC2 and ECR.
- ◯ CodeWithCharan/End-to-End-MLOps-Project

Automatic Language Detection
Tech: Python, Scikit-learn, FastAPI, Docker, Render

- In this project, I developed an Language Detection System using Naive Bayes classifier and achieved a language detection accuracy of 97%.
- Performed data cleaning, feature engineering, model training and model evaluation.
- Utilized FastAPI to create a web API
- Used Docker for containerization and deployed the project on Render (a cloud-based platform), making it accessible through a web interface.
- ◯ CodeWithCharan/Automatic-Language-Detection
- 🌐 automatic-language-detection-app.onrender.com/docs

TECHNICAL SKILLS

- **Programming Languages**:
  - Python (Proficient)
- **Data Science Expertise**:
  - Data Cleaning, Feature Engineering, Data Preprocessing, EDA, Model Development, Model Deployment
- **Machine Learning Algorithms**:
  - **Supervised Learning**: Linear Regression, Logistic Regression, Decision Trees, Random Forest, SVM, KNN, Naive Bayes
  - **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**: TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Frameworks**: 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
- **Windows**
- **Linux (Ubuntu)**

ACHIEVEMENTS

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

CODING PROFILE

HackerRank - `hackerrank.com/CodeWithCharan`
Kaggle - `kaggle.com/CodeWithCharan`

CERTIFICATES

Machine Learning with Python: `freecodecamp`
Intro to Machine Learning: `kaggle`
Intermediate Machine Learning: `kaggle`

LINKS

- in `CodeWithCharan`
- ◯ `CodeWithCharan`
- 🌐 `codewithcharan.github.io/My-Portfolio`