

SWATHI T

tmskswathi@gmail.com | 8525092928

Portfolio | GitHub | LeetCode | LinkedIn

EDUCATION

KPR Institute of engineering and technology

Degree in B.E Computer Science and Engineering

CGPA: 8.58

Coimbatore

October 2022 - Present

EXPERIENCE

Clustervise | Machine learning Intern

Leuven,Belgium | November 2024 - Present

As a Machine Learning Engineering Intern at Clustervise, Im developing an AI-powered Bill of Materials (BOM) system while contributing to real-time projects. I'm also gaining hands-on experience across backend, frontend, and database technologies to build end-to-end intelligent solutions.

SKILLS

Programming Languages: C, Java, Python, HTML, CSS, Javascript, PHP

Libraries/Frameworks: Numpy, Pandas, Matplotlib, Scikit-learn, Open CV

Tools / Platforms: Canva, VS Code, Google Colab, Git and Github, Jupyter Notebook, Power BI, Excel, Figma

Databases: SQL

PROJECTS / OPEN-SOURCE

Sentiment Analysis | Link

Natural Language Processing

Performed sentiment analysis on WhatsApp group chat data using NLTK's VADER model.

Preprocessed text by tokenizing, filtering stopwords, and classifying word sentiments as positive, negative, or neutral. Visualized insights through pie charts, bar graphs, and histograms using Matplotlib.

Airline Ticket Price Prediction | Link

Machine Learning,Flask

Developed a Flask web application to predict flight fares using Linear Regression.Processed and encoded categorical data from an Excel dataset with Pandas and scikit-learn.Enabled user input for airline, source, and destination to estimate fare in real time.

Churn Modelling | Link

Machine Learning,Flask

Developed a Flask web app to predict customer churn using a trained ML model, with feature scaling via StandardScaler and real-time results displayed through a REST API and HTML frontend.

CERTIFICATIONS

- Data Analytics with Python - **NPTEL**
- Acquiring Data - **NASSCOM**
- Engineering Graphics and Design - **L&T Edutech**

HONORS & AWARDS

- IDEATHON - Secured 1st place with a cash prize in the Ideathon conducted at my college for proposing an NLP-based project that translates historic inscriptions into human-readable languages.
- HACKATHON - Awarded runner-up for the project Silent Syntax, a machine learning-based sign language detection system. The project aims to bridge communication gaps for the hearing impaired through gesture recognition.
- ACM-W KPRIET Chapter - Web Master position
- ISTE - Member in the Indian Society for Technical Education (ISTE)