

Sathya U

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About Me

Dedicated and detail-oriented Machine Learning and Computer Vision enthusiast with a strong foundation in Python programming and deep learning. Seeking opportunities to leverage my skills in developing innovative solutions and contributing to impactful projects.

EDUCATION

Artificial Intelligence and Machine Learning | Vel tech University

Sep-2021--present

- Active member of the university's Tech Society
- Relevant coursework: Machine Learning, Data Structures, Algorithms, and Deeplearning

CGPA-8.03

SKILL

programing Language:-python,sql

Machine Learning:-Scikit-learn, Keras, TensorFlow

Data Analysis: Power BI,Excel,pandas

Tools: Jupyter Notebooks, Git

Computer Vision: OpenCV

Deep Learning: Neural Networks, Convolutional Neural Networks (CNNs)

Soft Skills: Problem-solving, Attention to detail, Team collaboration

PROJECTS

Chat bot custom LLM (RAG)

APR 2024-MAY 2024

- Built a retrieval-augmented generator with Vext, an open-source LLM model.
- Customized using tools and a vector database for enhanced prompt generation.
- Implemented a flexible API for custom chatbot operations, utilizing user input to generate responses.

[source code:-link](#)

Sentiment analysis

JAN 2024-FEB 2024

Algorithm - LogisticRegression

- Created a model to predict the sentiment of a given text using Logistic Regression.
- The model returns sentiment and confidence across 8 different emotions.
- Data added to the database to plot a bar chart representing emotion confidence levels.

[source code:-link](#)

Movie Recommendation

NOV 2023-DEC 2023

Algorithm - Cosine Similarity

- Developed a recommendation system to suggest movies based on user's previous preferences.
- Focused on director and genre, using Cosine Similarity to find nearest five recommendations.
- Data was obtained from Kaggle and preprocessed for analysis.

[source code:-link](#)

CERTIFICATIONS

- Machine Learning with Python - freeCodeCamp
- Basics of Excel - Great Learning
- Power BI - Microsoft
- Cyber Security Essentials - Cisco
- A-Z Computer Vision - Udemy
- NIELIT - internship
- Data science - Cisco
- Forge - virtual intern data analyst

PROFESSIONAL EXPERIENCE

Data Analyst Virtual Simulation Intern

Accenture

Dates:18/6/2024

Gained hands-on experience in data analysis and visualization.
Worked on simulated projects to analyze and interpret complex data sets.

Data Science Intern

NIELIT

Dates:12/7/2024

- Assisted in data collection, cleaning, and preprocessing for various projects.
- Developed machine learning models and performed data analysis to derive insights.