

VIDYA SAGAR

B Tech-ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Coimbatore, India | 63858 18742 | vidyasagar.m2021ai@sece.ac.in | [Portfolio Link](#)

EDUCATION

B-TECH ARTIFICIAL INTELLIGENCE AND DATA SCIENCE - CGPA: 7.3

Sri Eshwar College of Engineering

HSC

Sri Vijay Vidyalaya Matric Hr. Secondary School - 91 %

SSLC

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PROJECT

MOVIE RECOMMENDATION SYSTEM | [Link](#)

- Developed a personalized movie recommendation system using TMDB data,
- Employing cosine similarity for content-based suggestions.
- Created an interactive Streamlit web app, integrated TMDB API for up-to-date data,
- Users input preferences, enhancing movie discovery experience.

Tech Stack: Python, Cosine similarity, Streamlit.

REAL TIME FACE RECOGNITION WITH WARNING SYSTEM | [Link](#)

- Developed a facial recognition system using OpenCV and neural networks.
- Utilized Haar Cascade classifiers for face detection.
- Employed a CNN with four hidden layers for face validation, achieving up to 90% accuracy.
- Captured unauthorized faces with timestamps for real-time security monitoring.
- Enhanced security by identifying and documenting potential breaches.

Tech Stack: Python, OpenCV, Haar Cascade, CNN neural network, Smptlib.

HILTON HAWAIIAN HOTEL ANALYSIS | [Link](#)

- Utilized Python (BeautifulSoup) to scrape data from TripAdvisor, gathering guest reviews and ratings.
- SQL used for data cleaning and preprocessing, ensuring data accuracy.
- R language employed for sentiment analysis, categorizing reviews.
- Interactive Tableau dashboard visualizes stars reviews, period of stay, traveler type, customers by continent.

Tech Stack: Python, BeautifulSoup, SQL, R, Tableau

Artiphish

- Chrome extension for cybersecurity, prioritizes user privacy through client-side processing, avoiding extensive data collection.
- It features real-time URL scanning with non-intrusive warnings, machine learning
- Optimization for efficiency, secure updates, and a commitment to user empowerment, ensuring a seamless and secure online experience.

SKILLS

- | | |
|----------------------|--|
| • PROGRAMMING SKILL | - Python, C++ |
| • MARKUP AND STYLING | - HTML, CSS, Streamlit |
| • QUERY-LANGUAGE | - SQL |
| • MACHINE LEARNING | - Pandas, Scikit-learn, Seaborn |
| • TOOLS | - GIT, VS code, Tableau, Knime, Beautiful Soup |

INTERNSHIP

INTRODUCTION TO AI TOOLS(KNIME) - GLOBAL KNOWLEDGE TECHNOLOGIES

- I gained practical experience in Artificial Intelligence, machine learning techniques.
- I successfully applied these techniques in various projects and acquired proficiency in using tools like Knime and Tableau.
- In Tableau, I excelled in data visualization, presenting insights and patterns to stakeholders.
- In Knime, I developed and implemented machine learning models, showcasing my ability to build models that yield accurate predictions and valuable insights

CODING PLATFORM:

- | | | |
|------------|---|---|
| LEETCODE | - | max score: 1720 Top 13% 500+ problems solved Link |
| CODECHEF | - | max score: 1420 rank: 60356 180+ problems solved Link |
| HACKERRANK | - | 5 stars in C++ 4 stars in SQL 4 stars in PYTHON Link |

CERTIFICATIONS:

- | | |
|--|---------------------------|
| GOOGLE DATA ANALYTICS PROFESSIONAL CERTIFICATE | -COURSERA |
| CLOUD COMPUTING | -IIT KHARAGPUR |
| BASIC PROFICIENCY L1 | -KNIME ANALYTICS PLATFORM |
| SUPERVISED MACHINE LEARNING | -COURSERA |
| GIT BUSINESS ANALYTICS WITH EXCEL | -SIMPLILEARN |
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EVENTS

KST-Rangsituv - First place in project presentation and second place in Envirothon

Blue Hack Hackathon-Selected as Best project in domain of Cybersecurity

Project Mentor - Served as project mentor for college junior in domain of data science

Blog - 15+ data science related blog posted on Medium platform