ESWAR SAI KIRAN KAMPARAPU

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OBJECTIVE

results-driven Computer Science student specializing in the Internet of Things (IoT), passionate about frontend development, Machine learning, and software engineering. Adept at designing scalable solutions, optimizing algorithms, and leveraging data-driven insights to enhance system efficiency.

EDUCATION

B.Tech in CSE-IoT , Aditya college of engineering and technolgy   2022-2026
CGPA: 8.2

Intermediate in M.P.C, Pragati junior college   2020-2022
Grade:95.9

SKILLS

Programming languages	C, Python, C++
Web development	HTML,CSS,Javascript,React.js
Machine Learning	Supervised and Unsupervised Learning
Databases	SQL,MongoDB
Tools and Technologies	Git,Github,Jupyter Notebook,VS code
IoT	IoT Protocols
Soft skills	Effective communication,problem-solving,Team management

EXPERIENCE

Intern   May 2024 - July 2024
Technical Hub   *Surampalem*

- Developed and deployed a feature-rich image editor web application, enhancing front-end web development expertise.
- Engineered and optimized core functionalities, including image cropping, rotation, filtering, and brightness/contrast adjustment, using HTML, CSS, and JavaScript to improve UI/UX and performance.
- Utilized debugging tools and problem-solving techniques to identify and resolve application issues, ensuring seamless user experience and optimal functionality.
- Demonstrated expertise in front-end development, UI/UX optimization, and software debugging, ensuring high-quality software delivery.

Intern   May 2024 - June 2024
APSSDC   *Remote*

- Developed and deployed a machine learning-powered sentiment analysis system to classify text data from product reviews and tweets into positive, negative, or neutral sentiments, improving customer sentiment insights.
- Implemented and optimized advanced Natural Language Processing (NLP) techniques, including data cleaning, tokenization, lemmatization, stopword removal, and vectorization, to enhance model accuracy and processing efficiency.
- Engineered a real-time web-based dashboard to visualize sentiment trends, analytics, and insights, leveraging Python, Flask, and data visualization libraries (Matplotlib, Seaborn, Plotly) for enhanced user experience and decision-making.
- Utilized API integration to extract and analyze real-time sentiment data, ensuring scalability and real-world applicability.

PROJECTS

E-commerce website

- Designed, developed, and deployed a fully responsive e-commerce website using HTML, CSS, and JavaScript, ensuring a seamless user experience across devices.

- Implemented interactive UI components, including product catalogs, shopping cart functionality, and a secure checkout process, enhancing user engagement and conversion rates.

- Integrated dynamic search and filtering features to enable efficient product discovery and navigation. (Try it here)

Movie Recommendation App

- Designed, developed, and deployed an AI-powered movie recommendation system to provide personalized movie suggestions based on user preferences and viewing history.

- Implemented collaborative filtering and content-based filtering techniques to enhance recommendation accuracy and user engagement.

- Applied Natural Language Processing (NLP) to analyze and extract insights from movie descriptions, improving the quality of content-based recommendations

- Integrated IMDb dataset to fetch real-time movie ratings, metadata, and external links, enriching the recommendation experience. Python, Scikit-Learn, Pandas, and machine learning algorithms to train, optimize, and deploy an efficient recommendation model. (Try it here)

CERTIFICATIONS

- SQL Basic Certification — HackerRank

- Python for Data Science — IBM

- Fundamentals of Red Hat Enterprise Linux 9 — Red Hat

- Machine Learning with Python: A Practical Introduction — IBM

- Google AI for Anyone — Google

- Data Analytics Essentials — Cisco

- JavaScript Essentials 1 — Cisco

EXTRACURRICULAR ACTIVITIES

- Participated in multiple Hackathons conducted by Unstop, demonstrating problem-solving, algorithmic thinking, and software development skills.

- Successfully completed the GUVI Skill-A-Thon organized by APSSDC, showcasing expertise in competitive programming and real-world technical challenges.

- Competed in the Formula One: Analytical Race, organized by SSM University, Hyderabad, through Unstop, applying analytical reasoning, statistical analysis, and problem-solving techniques.