Hemanth Kumar CS

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SUMMARY

An independent and self-motivated student with proven ability and experience in developing Machine Learning and Data Science projects. I have also participated in various competitions of competitive programming. Recognized by professors, colleagues, and peers as a personable, dedicated performer who demonstrates innovation, communication, and teamwork to ensure quality, and timely project completion. Certified Data Analyst by IBM.

SKILLS

Languages	:	Python, SQL, HTML, CSS, LaTeX
Libraries	:	Flask, Streamlit, Numpy, Pandas, Matplotlib, Seaborn, Plotly Tensorflow, Pytorch, OpenCV, NLTK, Llama 2
Technologies	:	MLOps, Git, Docker,ChatGPT API, Hugging Face, Linux,Power BI

ACHIEVEMENTS

- Published in **Intellectual Patent Rights** titled as **AI in Public Distribution System**
- Presented and Published in **International Conference(ICEES 2022)** titled as **Face Recognition and Biometrics in PDS**
- Presented and Published in **International Conference(ICCET 2023)** titled as **Economical Autonomous Navigation system for mobile robots** in **Scopus**
- Won **2nd runner up in Robotics Club Competition by developing obstacle avoidance autonomous mobile robot**
- Won **1st prize in 24 Hrs Hackathon (Hackoverflow 23) with cash prize Rs. 20,000, where developed Mental-Health Chatbot using Llama2 and personalized user dashboard**

EDUCATION

Sri Sairam Institute of Technology West Tambaram,Chennai
Bachelor of Technology in Artificial Intelligence and Data Science *CGPA: 8.03*

INTERNSHIP

Shiash Info Solutions Pvt Ltd CIN: U74999TN2018PTC120911
Associate Data Analyst *Period: 2 Months(1/8/23-30/9/23)*

Wine Quality Prediction WebApp   *ElasticNet regression, Flask, HTML, CSS, Docker, AWS(EC2)*   WebApp and Source Code

- The Prediction is performed using the**ElasticNet Regression model** .
- **CI/CD Deployment**is done and hosted in **AWS(EC2)**

PROJECTS

Mental-Health Chatbot using Llama 2   *Python, Llama 2, Streamlit, Gen AI*   Source Code

- The **Llama2 model is developed by setting prompt** to reply only for psychiatrist-based solutions to the user's queries
- The WebApp is mainly developed for college students to help there stressful academic period and **it gives generated to-do tasks using Gen AI by providing their academic calendar as input**
- An individual user's mental health status is visualized as a dashboard and rewards are given for their task completion for reinforcement.

Fake news Detector Bot   *Python, Llama, news API, bot api*   Source Code

- The **news-API** searches the news throughout the web
- Using the **Telegram-Bot API** from streamlit the bot executes in the telegram and gives whether the news is real or fake and its related articles.