

# Hemanth Kumar CS

Location: Chromepet, Chennai.

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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

<b>Languages</b>	: Python, SQL, HTML, CSS, LaTeX
<b>Libraries</b>	: Flask, Streamlit, Numpy, Pandas, Matplotlib, Seaborn, Plotly Tensorflow, Pytorch, OpenCV, NLTK, Llama 2
<b>Technologies</b>	: MLOps, AWS, 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

<b>Sri Sairam Institute of Technology</b>	West Tambaram, Chennai
<i>Bachelor of Technology in Artificial Intelligence and Data Science</i>	<i>CGPA: 8.03</i>

## INTERNSHIP

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

<b>Wine Quality Prediction WebApp</b>	<i>ElasticNet regression, Flask, HTML, CSS, Docker, AWS</i>	<u>WebApp and Source Code</u>
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- The Prediction is performed using the **ElasticNet Regression model**.
- CI/CD Deployment** is done and hosted in **AWS (EC2)**

## PROJECTS

<b><u>Mental-Health Chatbot using Llama 2</u></b>	<i>Python, Llama 2, Streamlit, Gen AI</i>	<u><a href="#">Source Code</a></u>
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- 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 their 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.

<b><u>Fake news Detector Bot</u></b>	<i>Python, Llama, news API, bot api</i>	<u><a href="#">Source Code</a></u>
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- 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.