Surya Teja Menta

Personal Information

Surya Teja Menta
03 - 08 - 1999
3-10-25(c), Kotha Bazar, Kavali, AP,IN
+91 8309584461
Gmail
Github
Linked In
Portfolio

Professional skills

Knowledge: Data Science, Machine Learning, Deep Learning, NLP & CV, LLMs, GPT
Languages: Python, HTML, CSS, Web development, SQL
Frameworks: Tensorflow, Pytorch, Keras, Langchain
Cloud: AWS, GCP
Libraries: Numpy, Pandas, Sklearn, Spacy, NLTK, Opencv
Tools: GitHub, Git, Google DataStudio
Others: Statistics & Probability, Mathematics, Linear Algebra, Worked on Complex Datasets

Certificates & Courses

- IBM Professional Data Scientist Certificate
- Advanced Deep Learning course in Ineuron.AI
- Python & Web Development

Soft Skills

- **Analytical Thinking:** Demonstrated through experience in data analysis, statistical techniques, and working on complex datasets.
- **Problem Solving**: Implementing algorithms, and finding solutions.
- **Collaboration:** Highlighted by working with Google on the Google LX Project, collaborating with clients, and creating analytics dashboards and reports to meet their requirements.
- **Communication:** Evident through writing AI/ML blogs, presenting papers, and effectively communicating complex concepts to both technical and non-technical stakeholders.
- **Continuous Learning:** Exhibited by pursuing advanced courses and certifications in data science, machine learning, and deep learning.
- **Adaptability:** learning new technologies, and actively contributing to AI/ML communities.

Profile

Experienced 2.8+ years of hands-on experience in **Data Science & ML** and Industrial Experience in **data analysis** and **ML** as a Data Analyst. I have done projects in AI/ML and they are on **GitHub**. IBM Professional Data Scientist certified with a bachelor's degree in Computer Science & Engineering. Proficient in scientific and mathematical models, and skilled in statistical techniques. Passionate about sharing knowledge through AI/ML blogs.

Work Experience

- **Data Analyst - Tudip Technologies**
  Oct 2020 - Present

  Collaborated with Google as a Data Analyst on the Google LX Project, also known as Google Seismic. This project involved working with a content management platform maintained by Google for sellers and retailers. My responsibilities included creating analytics dashboards and reports using Google Datastudio, catering to client requests and platform requirements. Improved the Project by adding NLP Transformer(BART) for repetitive tasks

Education

- **Bachelor's Degree(CS) - PBR VITS, Kavali, AP**

  June 2016 - May 2020

  I have done my Bachelor's degree in Computer Science with **78.3%.** I have participated in paper presentations and won prizes too.

- **HSC - Narayana Junior College, Kavali, AP**

  June 2014 - May 2016

  I have completed my HSC education with a 92.5%

- **SSC - Kranthi EM School, Kavali, AP**

  June 2004 - May 2014

  I have done my schooling with 87%. I also participated in school dramas, sports, etc.

Languages

- English - Telugu (Mother Tongue) - Hindi

Hobbies

My hobbies are Playing cricket, Cooking, Reading books, Learning Tech Stuff, etc,

Projects

1. Github Automated Analysis (OpenAI, Langchain)

- Built a Python-based tool that uses GPT and LangChain to identify the most technically complex and challenging repository from a GitHub user's profile.
- Implemented memory management techniques for large repositories and files to ensure that the tool could process them without exceeding token limits.
- Used prompt engineering to improve the accuracy of the tool's complexity scoring.

2. Re-Enhance.AI (Opencv, ESRGAN, Pytorch)

- The Re-Enhance.AI project is a set of tools and algorithms that can be used to improve the quality of your Image for Space & **Research Purposes**.
- Even though the model accepts only images with (256x256x3) dimensions, this framework manages the higher dimensions by **Split and Send Policy**.

3. AI - CAPS (Streamlit, Text-speech-Text)

- This Project is to recognize the Voice (Speech - to - text)and then translate the voice to another 18 Languages using Streamlit
- This app allows you to:
    - record your voice/choose an audio file.
    - Visualize the embedding of the speaker
    - Synthesize speech based on the recorded voice
    - Text Translation

4. QA_Summerization (Huggingface,OpenAI)

- This is a QA and summarization Web App built on Streamlit that allows you to quickly and easily create a Paraphrasing and summarization of your QA data.
- The main features of the app are:
    - Paraphrasing
    - Summarization

5. Fmoke Detection (Opencv, Tensorflow, Keras)

- The Fmoke Detection project is a Fire & Smoke Classification using Deep Neural Networks.
- The Model is speedy and easy to predict the images.

6. Heart Attack Prediction (Scikit-learn

- The Heart Attack Prediction Project is developed to predict the Heart attack by taking data as input from users. it will generate output as Positive Or Negative.
- The Model Accuracy is 92% which is the Best Fit.

Blogs & Post

- **A Simple Language Detection Application**
- **Upsampling and Transposed Convolutions Layers**
- **Unsimply Model Decay**
- **In the Linear Regression**
- **In the Logistic Regression**
- **In the Decision Trees Part: 1**
- **In the Decision Trees Part: 2**
- **Actually, What is Ensembling Learning? -1**