Surya Teja Menta

Personal Information

+91 8309584461 | Gmail
Github | LinkedIn
Portfolio

Professional skills

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

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 training 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.

Summary

I'm Surya Teja Menta, an experienced professional with 2.8+ years in **Data Science & ML**. Industrial background in data analysis and ML as a Data Analyst. AI/ML project expertise on GitHub. Certified IBM Professional Data Scientist with a Computer Science & Engineering degree. Adept in scientific models, statistics, and passionate about AI/ML knowledge-sharing through blogs.

Work Experience

- **Subject Matter Expert (Data Analyst) - Tudip Technologies**
  Oct 2020 - Present

  During my tenure of 3 years as a Data Analyst at Tudip, I collaborated with Google on the Google LX project. My role encompassed crafting analytics **dashboards** and **reports** using **Google Datastudio** for a content management platform. I also enhanced project efficiency by implementing **NLP Transformer (BART)** for text generation tasks and deployed the **docker image in Google Cloud Run** and then **Google Sheet Integration** to make it available for everyone. The team's dedication earned us the **Best Team Award** for the **most client appreciations received**.

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

Projects

1. Github Automated Analysis (OpenAI, Langchain)

- **Automated Complexity Analysis:** Engineered a Python tool using GPT and LangChain to pinpoint intricate GitHub repositories..
- **Memory Optimization:** Implemented efficient memory management for processing extensive files while adhering to token limits.
- **Enhanced Complexity Scoring:** Utilized prompt engineering to elevate accuracy in evaluating repository complexity, refining the precision of the tool.

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**