

SUNDARRAJ M

Data Scientist

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SUMMARY

- Detail-oriented Data Science Master Program with 6 Months of hands-on experience in Besant Technologies. Extracting, analyzing, and visualizing data to drive strategic business decisions. Proficient in leveraging advanced tools and technologies such as Power BI, and Python to deliver actionable insights and enhance operational efficiency. Skilled in data cleaning, transformation, and creating dynamic dashboards and reports that highlight key performance metrics.

INTERNSHIP EXPERIENCE

Company Name : Besant Technologies Role : Data Science Duration : June 2024 - Dec 2024

- I have practical experience applying Deep Learning and machine learning algorithms like Linear Regression, Logistic Regression, and Random Forest for predictive modeling, as well as unsupervised learning techniques like K-Means Clustering then NLP. It's also covered model evaluation, including accuracy.

TECHNICAL SKILLS

MYSQL	- Operators, Function, Subquery, Joins,, Views, Stored Procedure.
PYTHON	- Numpy, Pandas, OOps
DATA SCIENCE	- Machine Learning Algorithms like Regression, Classification, SVM, Decision Tree, NLP, Scikit-learn TensorFlow, Keras.Computer Vision, pytorch, LLM,Transformer.
POWER BI	- Data Importing , Data Transformation , Charts, Visualization , Reporting

PROJECTS

BIRTHDAY WISHES THROUGH EMAIL AUTOMATION -PYTHON

- Developed an automated email system using Python, Pandas, and SMTP to send personalized birthday wishes [link](#)
- Hosted on PythonAnywhere, ensuring the script runs automatically for upcoming birthdays. The PythonAnywhere for scheduled execution without manual intervention
- Tech Skills:** Python, Pandas, smtplib, MIME, PythonAnywhere

SENTIMENTAL ANALYSIS OF YOUTUBE VIDEO COMMENTS - NLP

- Developed a NLP Based project to fetch, preprocess, and analyze YouTube video comments. Utilized advanced sentiment analysis techniques with VADER and Hugging Face Transformers for enhanced accuracy. Categorized comments into positive, negative, or neutral sentiments and visualized the results for better insights
- Tech Skills :** Python, Google API, NLTK, Hugging Face Transformers,Vader Analysis, Pandas, Seaborn,Matplotlib

LOG CLASSIFICATION - HYBRID

- Developed a hybrid log classification system integrating Regex, Sentence Transformers + Logistic Regression, and LLMs to effectively handle logs with varying levels of complexity.
- Deployed a FastAPI server to process log data via RESTful APIs, enabling seamless integration with existing systems.
- Tech Skills :** Python, FastAPI, Sentence Transformers, scikit-learn, and LLMs.

HSN CODE VALIDATION - AI AGENT

- Designed and deployed an intelligent conversational agent to validate Harmonized System Nomenclature (HSN) codes using a master Excel dataset.
- Built backend with Flask and hosted it on PythonAnywhere; integrated it with Dialogflow webhook for real-time NLP-based interaction.
- Tech Skills :** Python, Flask, Dialogflow, Pandas, Excel, PythonAnywhere

EDUCATION

B.Tech - Informantion Technology	CGPA - 7.8	Government College of Engineering, Erode	2021 - 2024
Diploma in Mechanical Engineering	Percentage -75%	Government Polytechnic College, Aranthangi	2017 - 2020
SSLC	Percentage -92%	Government Higher Secondary School, Chidambaraviduthi	2016 - 2017

CERTIFICATION

Data Science Master Program – Besant Technologies , Velachery