



Pranaaph R

ML Engineer/Developer/Analyst

I'm a passionate ML Engineer/Developer skilled in building scalable machine learning solutions. With expertise in data preprocessing, model development, and API integration using Python, SQL, and NLP techniques, I excel at turning data into actionable insights and driving innovation.

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WORK EXPERIENCE

Junior Associate - Technology

Elait IT Technology Services Pvt Ltd

08/2023 - 06/2024

Chennai

Accomplishments :

- Collaborated with the team to build and enhance machine learning applications.
- Developed front-end features using **Angular** and backend services with **FastAPI**.
- Preprocessed and manipulated data using **Python** to enhance analysis and improve application capabilities.
- Conducted data extraction using **NLP** techniques for parsing and analyzing large datasets.
- Managed databases with **MongoDB**, ensuring efficient data storage and retrieval.
- Performed **testing and debugging** to ensure code quality and functionality, using **Git** for version control and efficient collaboration.

Trainee

Elait IT Technology Services Pvt Ltd

02/2023 - 08/2023

Chennai

Key Learnings :

- Conducted **EDA** and **Descriptive analysis** to uncover key trends and patterns.
- Gained expertise in **NLP** using NLTK and SpaCy for tasks like tokenization, sentiment analysis, and named entity recognition, improving data quality and model accuracy.
- Developed strong **SQL** skills, ensuring efficient dataset management and retrieval through cleaning processes like removing duplicates and handling missing values.
- Proficient in designing and implementing **TensorFlow** models for image classification, leveraging convolutional neural networks (**CNNs**) to identify patterns and objects in images. Skilled in building and optimizing recurrent neural networks (**RNNs**) and transformers for time series analysis and forecasting.
- Adept at creating advanced **NLP** models using TensorFlow for tasks such as text generation, sentiment analysis, and language understanding. Created advanced NLP pipelines with TensorFlow, leveraging techniques like tokenization, embedding layers, and **attention** mechanisms for text generation and analysis.

EDUCATION

B.E - Mechatronics

Bannari Amman Institute of Technology

2019 - 2023

8.87

HSSC

K.S.R.Matric.Hr.Sec.School

2018 - 2019

74%

SSLC

K.S.R.Matric.Hr.Sec.School

2016 - 2017

93.2%

SKILLS

Languages : C , Python , SQL

Data Analysis & Visualization:
Pandas, NumPy, Matplotlib, Seaborn, EDA , Power BI.

Databases : MySQL , MongoDB

ML/AI : TensorFlow, Keras, NLTK , Scikit-Learn , Langchain , Jupyter Notebooks.

Web Development : Angular

Version Control & Collaboration : Git , GitHub

PROJECTS

AI-Powered Resume Parsing and Candidate Matching System (08/2023 - 06/2024)

- Contributed to building an automated resume analysis system using NLP and machine learning to streamline profile matching and data extraction.
- Improved recruitment efficiency by reducing screening time and enhancing accuracy through automation.

LANGUAGES

English
Full Professional Proficiency

Tamil
Full Professional Proficiency

AREA OF INTERESTS

★ Data Analytics

★ Machine Learning

★ GenAI