PRATIBHA SINGH

Packaged Application Development Associate

CONTACT

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- Base Location: **Gurgaon**

SKILLS

Accenture Training: **Ab-Initio**, **SQL**, **Tableau, Basic Shell Scripting**

Programming Language- **Python**

Pre-trained Models- **Transformer, BERT, GPT2, Mental BERT , Gemini**

Machine Learning Libraries - **Scikit Learn, TensorFlow, Keras**

Data Analytics Libraries - **Pandas, NumPy, NLTK, Gensim, GloVe**

Visualization Libraries - **Matplotlib, NetworkX, Seaborn, Plotly**

Visualization Tool - **Tableau**

Open Source tools - **Jupyter Notebooks, Google Colabs**

EDUCATION

Masters of Technology 2022-2024

JIIT Noida Sector 63

- Qualified GATE 2022
- **Computer Science Engineering** with Specialization in Artificial Intelligence and Machine Learning - 9.1 CGPA

Bachelors of Technology 2013-2016

BSACET Mathura

- **Electronics and Communication Engineering** with Honors Overall
- Percentage 76.02 %

PROFILE

A **GATE 2022 Qualified** M.Tech Computer Science passout eagerly exploring the field of AI/ML. I have completed my M.Tech from Jaypee Institute of Information technology (9.1 CGPA) in the year 2024. I am a self motivated, result oriented team player with strong written and verbal communication skills.

PROJECTS

M.Tech

- Final year Dissertation/Internship

  1. **Depression Detection using NLP**
     - Identified various data sources and related literature available for depression detection
     - Performed text based depression detection using various classification methods.
     - For Binary classification used **Random Forest**, **Decision Tree**, **SVM**, and **Logistic Regression** models
     - For Multiclass classification used **CNN**, **LSTM**, **BiLSTM** models
     - For Multilabel classification used **CNN** model
     - Utilized various feature extraction methods like **TF-IDF**, **BoW**, **GloVe**, **BERT**, **GPT2**, **Gemini**, **Mental BERT**

- Project Based Learning

  1. **Driver state detection**
     - Utilize web cam data to detect driver's stage such as Normal, Tired, Asleep and distracted
     - Using different scores such as PERCLOSE, GAZE score and EAR for detection of stage
  2. **Game of thrones Network Analysis**
     - Performed Network Visualization, Network Diffusion using Cascade model, and utilized different Network Centrality measures
  3. **Credit Card Risk Analysis**
     - Performed Data wrangling, Data Visualization , Hyperparameter tuning and implemented various Classification Algorithms to identify Credit card risk
  4. **Design of Experiments**
     - Explored Feature Importance using design of experiments
     - Performed Outlier Detection using 2-sigma method

B.Tech

- Major Project

  1. **Mobile based Garage Door**
     - Implemented Automatic Garage door opening and closing
     - Used Arduino Uno, SPOT relay, DPDT relay, DTMF IC to implement the project