JATIN PRAJAPATI

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EXPERIENCE

Software Developer (Machine Learning)   **08/2023-Present**

CIPL (Noida, India)

- Utilized deep learning skills to develop and implement algorithms for the classification of ciphers and their modes in a DRDO project.
- Applied machine learning techniques to enhance cryptanalysis, identifying vulnerabilities and contributing to the improvement of cryptographic systems.
- Integrated deep learning methodologies to optimize cryptographic protocols, demonstrating a strong ability to apply machine learning in the field of cybersecurity.
- Experimented with Retrieval-Augmented Generation (RAG) application for extracting answers from websites, showcasing adaptability to new methodologies and technologies.

Research Analyst   **12/2022-05/2023**

Techieshubdeep IT Solutions Pvt. Ltd. (Gwalior, India)

- Applied Python programming skills to perform supervised and unsupervised machine learning tasks, specializing in areas such as NLP, sentiment analysis, tabular data, and image data.
- Demonstrated adaptability by successfully handling diverse data types, showcasing expertise in extracting valuable insights from various sources.
- Delivered effective solutions to assigned challenges, highlighting a task-driven and problem-solving approach within the dynamic field of machine learning.

PROJECT

Django FaceNet

- Created Django face recognition with FLANN and Inception-ResNet for accurate classification.
- Engineered real-time face recognition, blending web development, computer vision, and ML for precise live capture.

Transformer-Based Text Classifier

- Elevated sentiment analysis for movie reviews using BERT, a Transformer-based model, surpassing LSTM accuracy benchmarks.
- Led a comparative study on sentiment analysis, proving BERT's superior efficacy over LSTMs in movie review datasets.

EDUCATION

Samrat Ashok Technological Institute   **Vidisha, India**

Bachelor of Technology, Computer Science Engineering   2019-2023

Govt. Jiwaji Rao H.S. School   **Gwalior, India**

Higher Secondary School, Mathematics   2017-2018

SKILLS

- Technical Skills - Predictive Modeling, NLP, Machine Learning Algorithms, Statistical Analysis, API Development, Machine Learning Framework (e.g., Pytorch, Keras), Open AI RAG – Familiarity with implementation and execution.
- Tools and Software – Scikit-learn, Python, Numpy, TensorFlow, Jupyter Notebook.
- Framework – Django, Flask

CERTIFICATE

- Python Bootcamp, Udemy   03/2022