Aditya Raj

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Skills

Libraries and Frameworks: PySpark, Scikit-learn, LangChain, TensorFlow (Keras), PyTorch, NumPy, Pandas, Folium, Matplotlib.

Big Data Tools: Spark, HDFS, Spark MLlib.

Databases: MySQL, PostgreSQL, Cassandra, MongoDB.

Languages: Python, Bash, SQL, Java/C++ (Conversant).

Machine Learning: Classification, Regression, Clustering, Dimensionality Reduction Algorithms, Association Rule Mining.

Deep Learning: Feedforward Neural Networks, CNN, RNN, LSTM, GRU, Transformers.

Tools: MLflow, Airflow, Git, Regular Expressions, Cron.

Generative AI Applications: LLM fine-tuning, Building LLM-based applications using langchain agents, memory, and prompt-templates.

Content writing specific skills: Search engine optimization(SEO), Markdown, Wordpress, Editing, Trello, ClickUp, Mircosoft office tools, Ability to simplify complex technical concepts for easy understanding.

Experience

Jio Platforms Limited   **July 2022 – present**
Data scientist

– Implemented ML model for purchase intent prediction for the e-Commerce products with which customers interact.
– Implemented a machine learning model to predict the frequency of ads shown to the users.
– Developed an RFMV model for device categorization and purchase intent prediction.
– Collaborated with cross-functional teams to streamline processes and improve efficiency.

Freelance   **November 2020 – present**
Content Writer

– Written more than 500 tutorials and blogs with a focus on Python programming, SQL, machine learning, data science, LLM applications, and other computer science topics.
– Created courses on Python programming, and Git, GitHub and its applications for Codecademy.
– Contributed to more than 10 websites including HoneyBadger.io, delftstack.com, Java2blog.com, and Codecademy.com

Apollo Clinics   **May 2021 – July 2021**
Data Analytics Intern

– Collected complaints data from the website using web scraping with the help of Selenium, BeautifulSoup, and Pandas libraries in Python.
– Used part-of-speech tagging, association rule mining, and word clouds to pinpoint the prevalent areas of concern within the complaints.
– Presented a project report to management with findings that led to corrective actions resulting in enhanced operational efficiency and improved customer satisfaction for the company.

Education

Indian Institute of Information Technology Allahabad (IIITA), Prayagraj   **July 2017- May 2022**
Integrated B.Tech (Information Technology) & MBA (Information Technology)   *GPA: 8.34/10*

Certifications

– IBM Data Science Professional Certificate
– SQL (Advanced) Certificate by Hackerrank

Portfolio Links

– Codecademy.com
– HoneyBadger.io
– delftstack.com
– codinginfinite.com
– Java2blog.com
– codeconquest.com
– askpython.com