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ROHIT PATIL

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Objective

Versatile Data Scientist and Data Engineer with 3.7 years of experience in end-to-end data processing, from ETL pipeline development to predictive modeling and analytics. Adept at leveraging advanced Machine Learning and Deep Learning techniques as well cloud platforms to deliver data-driven solutions.

Looking to contribute to innovative data projects, improve data infrastructure, and drive business growth through data excellence.

SUMMARY

- Experienced Data Scientist with 3.7 years of expertise in translating business requirements into effective **Data science** solutions and **Gen AI**.
- Proficient in **Python** programming language and SQL, enabling the application build, and optimization of large-scale data processing systems.
- Expertise in **Microsoft Azure** services including Cosmos DB, SQL Database, Azure Data Factory, Azure ML, Blob storage etc. and **AWS** services such as SageMaker, EC2 and **GCP AI** services include cloud vision, Google vision AI etc.
- Experienced in deploying projects in cloud platforms such as **Azure Web Services, AWS EC2 instances, and Streamlit Community Cloud**.
- Deep understanding of **machine learning** (ML), **NLP**, and **Deep learning** algorithms.
- Experienced in building custom LLM models, fine-tuning, test and deploy to enhance application robustness and capability.
- Experienced with web framework such as **Flask, Streamlit**.
- Proficient in executing **ETL** pipelines to transform data into meaningful insights.
- Experience of handling **LLM model** such as **GCP-GV, GPT-3.5 Turbo, GPT-4** and **Turbo** etc.
- Experienced in the Insurance, Health, Motor, E-Commerce domains and Banking.

SKILLS

Programming languages	: Python, SQL
Microsoft Azure Cloud	: App Services, Cosmos DB, Azure Data Factory, SQL Database, Storage Accounts
Operating Systems	: Windows and Linux
Database	: MySQL
Web Frameworks / other	: Flask, Streamlit, TensorFlow, Scikit-learn, Keras
IDE and Tools	: Git, Jira, Jupyter Notebook, Google colab Pro, PyCharm

EXPERIENCE

- **Britsure Insuretech**, Pune India | (March 2024 – Present)
Data Scientist
- **Globe Active Technologies Limited**, Bangalore India | (May 2021 –March 2024)
Jr Data Scientist Engineer
- **Data Science Internship**, Pune India | (Dec 2020 – April 2021)

EDUCATION

- **Bachelor of Engineering | Savitribai Phule Pune University**

PROJECTS

1. Optical Characters Recognition (OCR)

- Developed an OCR system application to read and process various types of documents, streamlining Insurance policy QA and investigations for Insurance companies.
- This system utilizes both custom-built and pre-built models

Roles and Responsibilities:

- Developed custom models for character recognition and tamper detection to extract data and identify key information from various types of documents using Python script and Frameworks.
- Fine-tuned GCP pre-built models for enhanced performance and accuracy in OCR tasks.
- Designed and implemented a pipeline to convert unstructured data to semi-structured data using GPT models such as GPT-3.5 Turbo.
- Created a pipeline for data storage in Azure Cosmos DB to efficiently manage and store extracted data.
- Built a pipeline to ETL process to convert data into structured format and stored it in SQL databases.
- Developed an end-to-end project, from PDF data extraction to structured data storage in SQL, ensuring seamless integration and data integrity.
- Deployed the application using Azure App Services and AWS for industry-level usage.

2. Insurance Risk Management System

- Developed an Insurance Risk Management System designed to help insurance companies to identify fraud and assess the risk of fraudulent activities.
- This system assists in the investigation of insurance policies by analyzing various data points and patterns to detect potential fraud.

Roles and Responsibilities:

- Developed Python scripts to validate business rules related to Health Insurance, triggering alerts for policies that appear fraudulent.
- Implemented machine learning techniques to identify risk types and assign risk scores to insurance policies.
- Designed and developed scalable pipelines integrating in-built and third-party APIs to enhance project scalability and efficiency using Postman.
- Collected historical data through web scraping to build comprehensive datasets for model training and evaluation.

3. Event Management System

- Developed an Event Management System aimed at predicting the success of events. This project leverages data analytics and machine learning techniques to analyze various factors such as attendance, engagement, and feedback to forecast the success of upcoming events.

Along with technical expertise, I have strong communication and teamwork abilities, problem solving and effectively conveying complex concepts and collaborating with cross-functional teams.

PERSONAL DETAILS

- Name: Rohit Suryakant Patil
- DOB: 4th October 1997
- Marital Status: Unmarried
- Permanent Address: Shri Pant Krupa, Shri Ram Nagar, Bhadgaon Road, Gadhinglaj, Tal. Gadhinglaj, Dist. Kolhapur. Maharashtra. 416502
- Languages: English, Marathi, Hindi