GAUTAM RAJ

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SUMMARY

Python Developer with 6 months of experience in building software solutions, focusing on Natural Language Processing (NLP) and Large Language Models (LLMs). Skilled in creating chatbots, working with MySQL databases, and developing RESTful APIs. Experienced with various Python tools and libraries to create efficient and reliable applications. A fast learner with a strong foundation in coding, ready to take on new challenges.

EDUCATION

Vellore Instutite Of Technology, Bhopal   September 2020 - July 2024
Bachelor of Technology in Electronics & Communication Engineering   *Bhopal, Madhya Pradesh*
Cumulative GPA: 7.54/10

SKILLS

Technical Skills: Python, MySQL, Pandas, NumPy, Matplotlib, Flask, Scikit-learn, PyTorch, MongoDB
Versional Control: Git, GitHub
Relevant Coursework: Object-Oriented Programming,Database Management System, Machine Learning, Deep Learning, Natural Language Processing (NLP), Chatbot Development, Large Language Models (LLMs), RESTful API Development

EXPERIENCE

BDO India LLP   March 2024 - Present
Python Developer Intern   *NOIDA (ONSITE)*
- Developed and deployed chatbots to enhance user interactions and automate responses.
- Designed and implemented RESTful APIs for seamless data integration and interaction within applications.
- Created Python scripts to organize and process data from invoices, utilizing Python's pandas library and OCR technology for efficient data manipulation and extraction.
- Used Label Studio and Doccano tools for precise data annotation and labeling.

PROJECTS

QA-Bot ⭘ *Python, Chroma DB, LangChain, HuggingFace Embeddings, PaddleOCR, Flask*   **July 2024**
- Design and implemented a Flask-based service for processing PDF documents, including text extraction using PaddleOCR and embedding generation with HuggingFace models, enabling efficient text conversion and storage.
- Developed a custom question-answering (QA) system leveraging language models and Chroma vector database, facilitating accurate retrieval of information from processed documents.

Sentiment Analysis ⭘ *Python, , Pandas, spaCy, scikit-learn*   **April 2024**
- Developed and deployed a Flask API for real-time sentiment analysis of movie reviews using a Logistic Regression model, achieving an accuracy of 88%.
- Implemented text preprocessing with spaCy and vectorization with CountVectorizer to enhance sentiment prediction accuracy on the IMDb dataset.

Sales Notifications System ⭘ *Python, , MySQL, Flask, SMTP*   **March 2024**
- Developed a Flask-based API for an automated sales system, enabling users to place orders via HTTP requests, with seamless MySQL database integration to store order details, customer information, and order status.
- Implemented automated email notifications using SMTP for purchase confirmations, along with robust data validation and error handling for reliable and secure transaction processing.

CERTIFICATIONS

- Fundamentals of Data Analytics, FutureSkills Prime, Jan 2023
- Linux Command Line Terminal, Udemy, July 2022

LANGUAGES KNOWN

- English, Hindi