Indra Puri Sector-C, Bhopal,
M.P., India, 462022

AMIT SINGH PARIHAR

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Github Link; Personal Portfolio; LinkedIn

TECHNICAL STACK

- **DS/ML/AI** – Python, Statistics, Machine Learning, Deep Learning, NLP, DS lifecycle, Transfer Learning.
- **ML Framework/modules** – Sklearn, Tensorflow, keras, Numpy, Pandas etc.
- **Programming and DB Languages** – Python, MySql, Vector Databases.
- **Data Visualization** - Power BI, Matplotlib, Seaborn.
- **LLM tools and frameworks** - Langchain, Openai apis, Open Source LLMs.
- **Soft Skills** – Fraud Prevention and Detection, Analysis Skills, Communication, Teamwork, Negotiation Skills, Adaptability, Leadership.

Projects

PDF QUERY CHATBOT – Personal Project   **March 2024**
- Generative AI for PDF Search: Built a Langchain-based chatbot that leverages an OpenAI LLM to understand user queries and retrieve information from PDFs.
- Used NLP techniques (text extraction, chunking) for efficient processing.
- Semantic Search with Cassandra: Employed vector embeddings for efficient search and retrieval of relevant answers from the in dexed PDFs, leveraging Cassandra for scalable storage.

MCQ Generator – Personal Project   **March2024**
- Automated MCQ Generator: Built an end-to-end solution (Langchain AI) to automatically generate MCQs from uploaded content (PDF/text), eliminating manual work.
- Streamlit UI: Build A User-friendly interface allows effortless content upload, MCQ configuration (count, subject, tone), and seamless generation.
- Smart Resource Management: Tracks token usage during generation for cost-efficient utilization of Openai APIs.

DEEP LEARNING ANN Model – Personal Project - Customer Churn Prediction   **September 2023**
- Objective: Successfully crafted an Artificial Neural Network (ANN) model dedicated to forecasting customer churn within a corporate context.
- Approach: Leveraged extensive historical customer data encompassing behavioral patterns, demographic information, and interaction records.
- Outcomes: Demonstrated proficiency by attaining model stability, reflected in a training loss of 0.3189 and an impressive accuracy rate of 0.8629..

EDUCATION

LNCT University(Bhopal)   **Sept 2021 – June 2024**
Bachelor of Computer Applications (BCA)
Specialization in AI/Data Analytics, CGPA: 8.34
BONANAZA CONVENT HIGHER SECONDARY SCHOOL (Satna)   **April 2019 -July 2020**
PCM - Percentage – 63%

EXPERIENCE

Samatrix Consulting Private Limited- intern (Data Analysis Using Python)   **Jul 2023 - Jul 2023 (1 month)**
FLIGHT FARE PREDICTION –
Key Achievements**:**
- Effectively managed a complex project featuring categorical independent features.
- Utilized advanced data preprocessing techniques, including Label Encoder and One-Hot Encoding, to transform categorical data into numerical values.
- Demonstrated strong proficiency in manual data conversion, showcasing the ability to handle these tasks independently without the reliance on external libraries

ART - Abstinent Research & Technologies – Python Developer Intern   **Jan 2024 – July 2024**

Developed An End-to-End LLM Application For Chatting With MySQL Using An LLM   -

- Configured MySQL database connection.
- Utilized an open ai model to convert natural language to SQL queries.
- Connected to MySQL using mysql-connector-python.
- Enabled selection of multiple tables for fetching results.
- Generated SQL queries and retrieved results.

LICENSES & CERTIFICATIONS

- Data Analytics and Visualization Virtual Experience – Accenture
- British Airways Data Science - British Airways
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Statistical Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Foundation to AI Data Science& Data Analysis)