Chaitra Bengaluru Vishweshwaraiah

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EDUCATION:

San José State University   August 2022 – May 2024

Master in Software Engineering : **GPA 3.9**

Relevant Coursework - Data Mining, Web Mining, Machine Learning, Deep Learning, Software System Engineering, Enterprise Software Platforms

VTU Bachelor of Engineering in Information Technology   June 2011 – June 2015

Relevant Coursework - Data Structure, Operating Systems, OOP, Computer Networks, Computer Architecture, Cloud Computing

RELEVANT EXPERIENCE

BLP Industry.AI (Senior Data Analyst)   Apr 2019 – July 2022

• Smart Buildings – Implementation of Time-series forecasting model which predicted the switching ON and OFF of the chiller which was used for Inventory management.

• Contributed towards a 5% increase in efficiency by optimizing the production process to control the moisture content of soap, which resulted in reduced waste, reduced energy consumption, and increased production speed, all of which led to lower costs and increase profitability.

• Designed and implemented Web Scraping to obtain live Air Quality Index data from various city data sources and integrate with solar power plant data to develop use cases and deployed ML solutions that allow clients to make informed decisions, using python, selenium, influx DB, and Grafana.

PRICEWATERHOUSE COOPERS LLP (Data Analyst)   August 2015 – March 2018

• Contributed to increasing the number of detection scenarios from 20 to 36 for an Anti-Money laundering project (AML) to prevent reputational risks of a finance-based client and automated AML process

• Generated Statistic reports for over 100,000 transactions using SQL, Python, Power BI.

• Discussed and planned with clients about data quality challenges and performed the data preparation, Exploratory Data Analysis(EDA), and built Interactive dashboard with visualizations facilitating data driven decision making.

SKILLS

Programming Languages: Python, SQL, Java, Unix Shell Scripting, HTML5, CSS, Flask, Power Query
Data Science Concepts: Classification, Regression, Clustering, Dimensionality Reduction, NLP, LLM
ML Libraries: Numpy, Pandas, Matplotlib, Pycaret, Spacy, Scikit-learn, Keras, Tensorflow, Pytorch, Beautiful Soup, Langchain
Visualization: PowerBI, Grafana, Tableau, Microsoft Excel, Streamlit
Others: Ansible, Jenkins, data bricks, amazon EC2, selenium, git, pinecone, Databricks, Pyspark

PROJECTS

An Overlooked Societal Health Crisis - Gun Violence
A detailed analysis of gun violence incidents in all states in the US from 2013 to March 2018 and a Time Series Forecast of the Number of people killed per day due to Gun Violence.

ML Podcast Generator
Finetune GPT-2 simple model to generate text of podcast and used GPT-3.5-turbo to transcribe the text. Implemented eleven lab TTS for voice generation with customizable male and female voices to generate podcast for Machine Learning.

Smart Hire – Job Portal
Shortlisting the right profiles from a wide pool of applicants, Scheduling interviews according to the interviewer's and the candidate's convenience, to figure out how appropriate the candidate is for the applied role with scores matching the skill set.