Milan Prajapati

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PORTFOLIO

- https://www.linkedin.com/in/itsMilan1999/
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- https://github.com/itsMilan1999

SUMMARY

Forward-thinking Data Engineer bringing 3 years of expertise in Software development and Data Science for IT Consulting sector businesses. Cultivates rapport with individuals to optimize project goals and deliver innovative improvement strategies.

EDUCATION

Masters Of Professional Studies (M.S), Data Analytics   March 2024
Northeastern University, Vancouver, BC
- Deep Learning | Data Modelling | Data Science | Machine Learning and AI |Natural Language Processing

Bachelor of Engineering (B.E.), Computer Engineering
Gujarat Technological University, Ahmedabad, Gujarat   July 2021
- SQL | DBMS | Data Structure | Algorithms | Data gathering |Algorithms | Data Computation | Probability

TECHNICAL SKILL

Languages: Python, R, JavaScript, HTML, CSS
Database: MySQL, Oracle, SQL Server, MongoDB
Package: Scikit-learn, Pandas, NumPy, SpaCy, PySpark, Matplotlib, TensorFlow, Beautifulsoup, ggplot2, Shiny, ReactJS
Data Visualization and Reporting: Microsoft Power BI, Microsoft Excel, Tableau, Microsoft Word, Microsoft Office, PowerPoint
Statistics and Analytics: Hypothesis Testing, Regression Models, Prediction Models, Probability distribution, Data simulation
Tools and Technologies: R Studio, Visual Studio code, GitHub, Pycharm, Jupyter Notebook, Git
Organizational Skills: Leadership, Project Management, Critical Thinking, Problem-Solving

EXPERIENCE

Database Administrator   June 2023 - Current
NCAS (Nursing Community Assessment Service), Burnaby, Canada
- Created efficient database schema for storing the new assignment data, including the process of understanding the previous database schema and performing the migration of old data into the new database schema.
- Managed the physical server storage and provisioned additional space/buckets in all the assessment sections to store the running assignment audio and video files in case of a database failure
- Managed live assignments running in various examination centers, including the creation of a data pipeline for capturing high-quality audio and video live data from different assignment centers
- Implemented compression techniques to efficiently handle the incoming live data and stored both the visual and audio data on servers.
- Monitored and managed the cloud storage space to ensure optimal utilization and performance.
- Utilized AWS services like S3 or EBS for efficient data storage and retrieval

Data Scientist   July 2021 - September 2022
Pandavaz, Gujarat, India
- Utilized advanced statistical methodologies, such as probability distributions and inferential statistics, to identify insights from given information utilizing the R programming language.
- Implemented natural language processing techniques, including various linguistic units, to encode customer reviews on the client's website. Utilized advanced algorithms to accurately identify the sentiment of each review, distinguishing between positive and negative feedback.
- Created various prediction models using forward and backward selection techniques, which involved selecting the most significant predictors based on statistical metrics such as p-values, t-values, and adjusted R-squared.

- Created models and then evaluated for their accuracy using statistical methods such as ANOVA, AIC, BIC, and other metrics. The results were presented in a report that included visual evidence of the model's performance.
- Developed interactive dashboards using PowerBI, Tableau, and Excel to visualize and present relevant information extracted from the backend database.
- Utilized Power BI and Tableau to create insightful visualizations of trends and predictions derived from dataset analysis or simulated data. Explained the process step by step and engaged with stakeholders through visual presentations to instill confidence in the research.

Full Stack Developer   July 2020 - June 2021

Pandavas, Gujarat, India
- Managed and maintained a portfolio of 12 websites for diverse product-based companies, leveraging ReactJS in frontend, Django in Backend, and SQL database, resulting in efficient and dynamic web applications with seamless user experience and high client satisfaction.
- Built and maintained multiple client web apps using ReactJS, NodeJS, Django, and SQL databases.
- Conducted thorough testing and debugging of applications, identifying and resolving issues.
- Implemented API integration to extract live data from web sources using API calls and secure credentials, optimizing data collection processes for improved accuracy and timeliness.
- Integrate interactive features and user functionality in the UI using Material UI and Redux.
- Managed NPM and PIP packages, and performed code version control using GitHub.
- Developed Technical SEO implementation for improved website performance and indexing.

FREELANCING PROJECTS

Artificial Intelligence Generated Resumes data analysis   February 2023 - June 2023
Client: CoverQuick
- Proficiently converted unstructured AI-generated resume data from JSON format into structured dataframes by leveraging advanced techniques for data extraction and enhancing data usability.
- Conducted data cleansing of big data, transformed and anonymized country names to a standardized format, enabling accurate identification of optimal client base for business sponsorship.
- Leveraged natural language processing techniques to analyze resumes and provide highly relevant job recommendations based on individual qualifications, skills, and experience.
- Utilized resume data, including experience and graduation details, to accurately infer the age of individuals by applying Python PySpark, Yake, and data algorithmic, contributing to comprehensive candidate profiling and demographic insights.
- Generated comprehensive detailed reports revealing hidden patterns within the database, effectively addressing stakeholder queries and concerns by providing robust evidence-based solutions, with visualization generated using Power BI facilitating informed decision-making and strategic planning.

Match-making Automation and Data Analysis   October 2022- January 2023
Client: Qunuby
- Analyzed existing data collection methods and business structure to assess the current workflow, enabling identification and recommendation of suitable automation and digitalization strategies.
- Developed a new optimized database schema to efficiently store data for further processing, and successfully executed the migration of legacy data into the new database, ensuring seamless data transfer and enhanced data management capabilities.
- Performed statistical analysis on available data to identify variables affecting matchmaking, resulting in 93% of the elements being accurately computed.
- Created 6 distinct predictive models utilizing the forward and backward model selection technique, aimed at identifying the most relevant predictors for the given data set.
- Evaluated model performance with 82% accuracy using 70% of the dataset through diagnostic analysis.
- Performed residual analysis on the models using a 30% dataset to obtain a residual value of 3%.

CERTIFICATION AND ACHIEVEMENTS

- **Certifications:** IBM Data Science - Coursera, Learn MySQL – Udemy
- **Achievements:** HackerRank Python Gold Badge, HackerRank SQL Gold Badge