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Tabinda Hilal
Data Analyst

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Experienced data analyst with 3 years of expertise in ensuring data accuracy and deriving actionable insights. Skilled in leveraging data to drive strategic decision-making, extracting meaningful patterns from large datasets and developing machine learning, deep learning, natural language processing models. Effective communicator, capable of translating technical concepts for non-technical stakeholders.

SKILLS

Tools and Languages	Python, Git, MySQL, Mongo dB, PostgreSQL
NLP	Word embedding, NER, NLTK, BERT, Transformers, Spacy, Stemming etc
ETL	Apache Airflow, PySpark etc
Web Scrapping	Selenium, Beautiful soup, Scrapy etc
Analytics	Superset, Pandas etc

TECHNICAL EXPERIENCE

Applied Informatics. – Analytics Engineer

Dec 2021 — Present   *India, Srinagar*

- Experienced Analytics Engineer, specializing in Patient-Recruitment Data Analysis for the iConnect Clinical Trials Platform.
- Developed insightful dashboards, employing Google Analytics, to showcase crucial metrics, aligning with team needs for comprehensive analysis.
- Leveraged superset to analyse healthcare data, creating dynamic dashboards and visualizations. Translated data insights into actionable data, aiding data driven decision making.
- Proficient in SQL queries, mined and processed complex datasets, transforming raw data into actionable insights for strategic decision-making.
- Led Web Scraping and Data Automation for Health Information and Research, streamlining data collection and enhancing accessibility for healthcare applications.
- Demonstrated proficiency in XML, JSON, and log file analysis, automated ETL processes, and utilized Superset for healthcare data analysis, translating insights into actionable data for informed decision-making.

Diatoz Solutions Pvt Ltd.

Feb 2021 — Oct 2021   *India, Bangalore*

- The project required recommending candidates to the recruiters for an End-to-End Recruitment platform.
- My role required creating a Recommendation Engine using Machine Intelligence and Natural language processing to provide personalized job recommendations for users.
- Extracted Data. Converted it into readable form and recorded it into different databases like Mongo dB, SQLite and performed CRUD (create, read, update and delete operation) on it.
- Conducted data pre-processing and feature engineering to extract relevant job and user information.
- Worked with different techniques of NLP and created a content-based recommendation engine. Used NER (Named Entity Recognition) for identifying the named entities in the annotated data from label studio.
- Created different APIS to integrate the system with the platform and checked the results.
- Used different NLP modules like TFIDF, DocToVec, Bert Transformers, Minhash and many other Sentence embedding methods to find the text similarity using Cosine, Jaccard and other similarity methods.
- Trained and fine-tuned machine learning models using large-scale job and user data.
- Used collaborative filtering methods and implicit library for providing recommendations for implicit feedback dataset using matrix factorization method and increasing the quality of recommending relevant candidates to the recruiters.
- Delivered through UAT testing and determined the product quality using postman to test the APIS.

EDUCATION

B. Tech, *University of Kashmir (8.33 CGPA)*   11/2020

PUBLICATIONS

Diabetes disease prediction using classification algorithms	Here
End-to-End Twitter data pipeline from scratch with docker and Apache airflow	Here