

ABHISHEK PANCHAL

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EDUCATION

Stevens Institute of Technology, School of Business (Provost Scholarship recipient)

Expected December 2024

Master of Science in Business Intelligence and Analytics

K.J.Somaiya College of Engineering, University of Mumbai, GPA: 7.54/10

October 2020

Bachelor of Technology in Electronics & Telecommunication

Relevant Courses – Mathematics, Big Data, Data Interpretation and Analytics.

TECHNICAL SKILLS

Programming Languages - Python, C++, Java, SQL.

Databases - Oracle DB, MySQL, Teradata.

Analytical - Data Transformation, Data Mining, Data Analysis, Data Modeling.

Tools/Frameworks - Abinitio, Alteryx, QlikView, Tableau, Autosys.

Concepts - Object Oriented Programming, AI/ML models, NLP, Hadoop, Spark, Software Development Methodologies.

PROFESSIONAL EXPERIENCE

Data Engineer | Accenture Technology | Mumbai, India

December 2020 - July 2023

- Engineered Python application for identifying errored-out policies. Automated end-to-end data retrieval processes for 2 million records from mainframe, encompassing cleaning, transformation, filtration, and comparison for 51 attributes; boosted working efficiency by 80% and saved 20 hours per week.
- Created ETL+Python framework to identify the unresolved policies and loaded data into Oracle Server to assist client in resolution. Produced monthly and yearly insights by performing data analyses and using Python and SQL queries and formulated dashboards in Qlikview for the same.
- Built scrapers in python to automate data collection and summary report generation for premium pipeline, improving productivity by 75%. Automated monitoring of landing transactions on Oracle databases using python, reducing manual effort by 90%.
- Wrote 100s of complex ad-hoc Oracle and SQL queries involving correlated subqueries, window functions and common table expressions to investigate out of balance records.

Application Developer Associate | Accenture Technology | Mumbai, India

December 2020 - June 2022

- Integrated Premium pipeline data into the existing ETL batch mail framework for monitoring and supporting mainframe and autosys jobs while maintaining seamless experience. Evaluated the workflow and efficiency of data pipelines that processes 100+ GB of data daily.
- Collaborated in a team of 13 for monitoring and production support of data applications used for insurance. Monitored more than 50 applications on data pipelines, consisting of more than 150 runs daily and close to 5000 runs monthly.
- Assessed quantitative reports against historical records to examine the performance based on production failures and missed SLAs on monthly basis.
- Created real time dashboards in data visualization tool Qlikview to visualise and monitor key metrics and batch processes using internal data decreasing efforts by 30%.

ACADEMIC PROJECTS

Craig List Vehicle Recommendation & Price Prediction | Python, Pandas, Numpy, Matplotlib, Seaborn

June 2023 - August 2023

- Pre-processed data and retrieved relevant features using OLS. Conducted comprehensive analysis of Craigslist vehicle listings to extract pricing trends and market insights.
- Developed recommendation model using TF-IDF for recommending top 6 models according to users preference and linear regression model for predicting prices.

Sign Language to Text Conversion for Deaf | Python, Pandas, Numpy, Tensorflow, OpenCV, Keras

June 2021 - August 2021

- Spearheaded the utilization of OpenCV to capture hand pictures and perform advanced image processing techniques, including the conversion of 3-channel color images to 1-channel grayscale, followed by thresholding to accurately detect hand boundaries, enabling enhanced hand gesture recognition capabilities.
- Created a user-friendly human computer interface that uses a CNN model to anticipate the recorded sign and convert to text. 50 frames are considered recorded and utilized for word building. Achieved 98% accuracy.

Data Science Salary Estimator | Python, Pandas, Matplotlib, Numpy, Scikit-learn

February 2021 - April 2021

- Programmed Selenium to extract over 1000 records from Glassdoor on location, pay, and position of numerous firms.
- Leveraged data-driven insights to perform comprehensive analysis on salary determinants, identifying 7 key attributes pivotal in influencing compensation. Applied 2 machine learning models, "Linear Regression" and "Random Forest Classifier", to predict salary based on industry, employer, location, age etc.