ABHISHEK PANCHAL

abhishekpanchal35@gmail.com | Linkedin | Github | Phone No +1 (201)6301636 | Jersey City, NJ

EDUCATION

Stevens Institute of Technology, School of Business (Provost Scholarship recipient) Expected December 2024
Master of Science in Business Intelligence and Analytics
Relevant Courses – Business Intelligence & Data Integration, Multivariate Data Analytics.

K.J.Somaiya College of Engineering, University of Mumbai October 2020
Bachelor of Technology in Electronics & Telecommunication

PROFESSIONAL EXPERIENCE

Data Engineer | Accenture Technology | Mumbai, India July 2022 - July 2023
- Engineered user-focused **Python** automation using 150+ feedback along with end-to-end data management processes for **2 million records**, encompassing retrieval, cleaning, transformation, filtration, and comparison; boosted working efficiency by **80%** and saved **20 hours** per week, significantly improving productivity and data accuracy.
- Led end-to-end analysis and documentation of business case and requirements, driving the design of optimized data models, data flow, and data cleansing scripts; successfully reduced manual efforts by **50%** and enhanced data integrity.
- Collaborated with Loss Engagement Team to understand business metrics and created **Qlikview** dashboard, helping them gain insights into the policy's which errored out. This helped client model historical insights to present to executives.
- Collaborated with three senior team members to create a new **ETL** capability within the existing framework, optimizing data extraction, transformation, and loading processes, resulting in a **40%** reduction in daily manual effort.
- Enhanced decision-making process by reporting the differences in balancing amounts between source and database for failed transactions. Gained insights and reported these transactions by writing **SQL** queries.

Application Development Associate | Accenture Technology | Mumbai. India December 2020 - June 2022
- Built **ETL** jobs to enhance the Business process and automate data extraction & transformation, reducing efforts by 20%.
- **Monitored** more than 50 applications on data pipelines, consisting of more than 150 runs daily and 5000 runs monthly. Assessed quantitative reports against historical records to examine the performance based on production failures and missed SLAs on monthly basis.
- **Awarded** for Excellence in Project Delivery because of integrating new application within current framework, guaranteeing on-time deliverables, and upholding strict data quality requirements.

TECHNICAL SKILLS

Programming Languages - Python, C++, Java, SQL, R.
Databases - Oracle DB, MySQL, Teradata.
Analytical - Feature Engineering, Data Transformation, Data Preparation, Data Mining, Data Analysis, Data Modeling.
Tools/Frameworks - Abinitio, Alteryx, QlikView, Tableau, Autosys, Office, Jupyter Notebook, Microsoft Excel, AWS, GIT.
Concepts - AI/ML models, Natural Language Processing, Computer Vision, Linear & Logistic Regression, Decision Trees.

ACADEMIC PROJECTS

Craig List Vehicle Recommendation & Price Prediction | Python, Pandas, Numpy, NLTk, 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.

Stock Price Streaming and Analysis | Python, Pandas, Matplotlib, Numpy, Kafka February 2023 - April 2023
- Developed and executed a data streaming solution leveraging Kafka producer, resulting in real-time data delivery to Kafka consumers.
- Implemented real-time portfolio analysis system, comparing current holdings, and providing data-driven recommendations for optimal stock selection and quantities.

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.

CERTIFICATION

Databricks Data Engineering Associate. AWS Partner: Accreditation (Technical)