

Mantej Singh Dhanjal

ML Engineer | Business Intelligence Analyst

Having 3+ years of analytical experience with data extracting applications, practical knowledge of data reporting/analysis tools, Business Intelligence tools in Manufacturing & Retail domains. Exposure to various tools: Informatica 9.1, Oracle SQL, Tableau, Spreadsheet, R, Python(PANDAS), HIVE and Apache Spark.



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🐙 www.github.com/Mantej-Singh

💻 https://mantej-singh.github.io/

Work Experience

Citi

AML Advisory- Machine Learning Engineer

06/2017 – Present

Warren, NJ

- Solely handling a POC for the Citi's AML Discovery Analytics Program
- Analyzing Customer, Account and Transaction data to identify & predict unusual behaviors using Apache Spark MLlib, H2O Flow and Alpine Data.
- Environment: HIVE SQL, Apache Spark ML, H2O Flow, DataRobot, Rstudio, Python and Alpine Data.

Alpha IT Partners

Data Analyst

12/2016 – 05/2017

New York, US

- Responsible for performing and checking regularly scheduled tasks such as usage processing, generating customer bills, and troubleshooting any issues that arise.
- Executing manual operations and monitoring the performance of automated tasks in the billing systems.
- Assisting in compiling data for financial, marketing, taxing, and regulatory reporting.

Bluefly

Business Intelligence Analyst Intern

06/2016 – 08/2016

New York, US

- Social Media Analyzer: Developed a program in Rstudio using R to gather, analyze and find trends in the Bluefly's unstructured user's comments on Twitter & Facebook, gave 10 tips on how Bluefly can use Social Media for lead generation and boost sales.
- Wrote complex SQL queries to get relevant data for analysis from customer's feedback, Sale, and Stock datasets.
- Implemented Joins, Data Blending, Custom SQL in Tableau, created dashboards & pivots in Tableau and Excel.
- Environment: Tableau Desktop, Excel, SQL Developer, R studio, Python, Google Analytics & Google Trends

Accenture

Associate Software Engineer/BI Developer

11/2013 – 07/2015

Mumbai, India

- Build dashboards, automated reports, and ad hoc reports based on agile business requirements.
- Developed and overhauled ETL mappings and mapplets to extract data from source systems into the Staging area
- Automated SQL queries, fetched data directly from the Informatica repository and listed output as succeeded, failed, long running jobs saved overall production time by 2+ hours.
- Environment: Informatica Power Center 9.1, SQL, QlikView, Crontabs, OBIEE, BO, Toad 10.5, Control M

Education

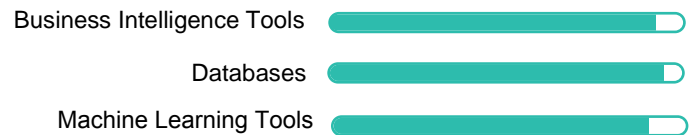
Master's Degree- Computer Science

New Jersey Institute of Technology, US. 09/2015 - 08/2016

Bachelor's Degree- Information Technology

University of Mumbai, India. 05/2010 - 06/2013

Skills & Competences



Projects

Word Count | Apache Spark 07/2017 - 08/2017

- Ran Apache Spark with YARN in client mode, compared and observed performance for groupByKey & reduceByKey in Spark UI.

Web Scraping Project | Python 12/2016 - 01/2017

- Crawled the data to parse person's name, email address, and net worth, generated report from it using BeautifulSoup, Pandas, RE, NLTK and D3 API.

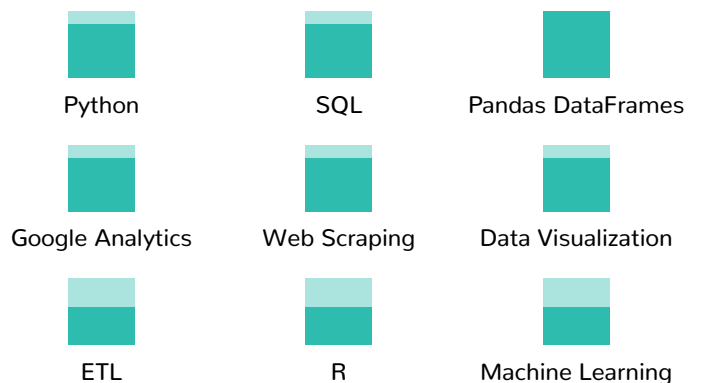
ETL Pipeline | Python 07/2016 - 08/2016

- Python code to extract, clean & dump the data with email notification using Pandas.

Social Media Analyzer | R 06/2016 - 07/2016

- Sentiment analysis over Twitter API using R.

Programming



Interests

Big Data | Apache Spark | Data Analysis | Data Visualization | SQL