Hemang Negandhi

Data Science | Analytics | Business Intelligence | Data Visualization

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EDUCATION

University of Texas at Arlington, Texas, USA Masters in Computer Science   **May 2019**
Courses: Data Structure and Algorithms, Advanced topic in Software Engineering, Data Mining, Advanced topic in Databases.
K. J. Somaiya College of Engineering, Mumbai, India, B.E in Information Technology (Engineering)

SOFTWARE SKILLS

Languages: Python, SQL   Web: HTML5, CSS3, PHP, JavaScript
Database: MySQL, MS SQL, Oracle11g   Business Intelligence: Powerbi, Qliksense, Alteryx, Tableau, SSRS, SSIS
Operating System: Ubuntu, Windows   Technologies and tools: PyCharm, AWS

WORK EXPERIENCE

BNP Paribas, Mumbai, India   **Jul 2020 - Present**
- Worked with **Alteryx** to analyze and design workflows to perform ETL. Hands-on experience in **performance tuning, query optimization** in Tableau.
- Created TDEs (Tableau Extract) for various projects and scheduled them on Tableau Server as per business requirements.
- Coordinated with **PARIS, MADRID team** to meet business requirements as well as ad hoc requests.
- Developed complex workflows and MACROS system, to process data for Tableau consumption and reporting.
- Individually enhanced and maintained a project "**C3 FINANCE**" which acts as core data source for many teams in BNP. This project processes **422 GB** of financial data every month and provides output to over **10** teams in the organization.
- Created and developed a project "**Deposit and trend analysis**" which saved manual **786** work hours per year for automating excel input data. It also decreased the error rate in the data to **2.5%** as compared to **10%** before automation.

Depth Consulting, Mumbai, India (Intern)   **Jun 2020 - Jul 2020**
- Consolidated data in **Oracle Analytics** from various sources **(CSV files, MS SQL, MySQL).**
- Created dashboards for measures with forecasts, trend lines and reference lines.
- Took lead in the creation of dynamic visualizations in the dashboard.

BNY Mellon Pershing, New Jersey, USA (Business Data Analyst)   **Sep 2019 - Mar 2020**
- Worked with Alteryx to develop WFs to perform **ETL (Data Extraction, Transformation, Loading).**
- Used SQL to extract data and create ad-hoc reports for data visualization on Tableau Server.
- Participated in data validation of results in Tableau by matching numbers to data in database.
- Participate in the creation of Tableau workbooks for the EPO and corporate finance department.
- Strong knowledge of Star dimensional schema and Snowflakes schema.

AKA Enterprise Solution, New York, USA (Powerbi Intern)   **May 2018 - Jul 2018**
- Performed migration of in-house app from content workspace to app workspace in Powerbi.
- Participated in the creation of **dynamic visualizations** to track employee performance.
- Used the **(Bamboo HR) APIs** connector to retrieve real-time employee data from the "**HR**" database.

Infogain India Pvt Ltd, Mumbai, India (Software Engineer)   **Aug 2015 – Jul 2017**
- Collected data in Qliksense from various sources (Oracle, CSV files, MS SQL, MySQL).
- Created dynamic interactive dashboards in **Tableau, Powerbi and Qliksense.**
- Analysed underlying data for possible discrepancies, investigated errors and implemented Incremental Load.
- Performed **ETL** using **SQL Server Integration Services (SSIS), QlikView.**
- Created real-time streaming dashboard with real-time KPIs in Tableau.
- Documenting all ETL/ELT projects and workflows including supporting documentation for troubleshooting.
- Develop Tableau workbooks to perform **YTD, QTD and MTD type analysis**.

- Generating context filters and data source filters when processing large amounts of data in Powerbi.
- Creating dashboards for measures with **forecasts, trend lines, and reference lines.**

CloudFronts Technologies, Mumbai, India (Intern)   **Jun 2015 - Jun 2015**
- Acquired hands-on experience in **SSIS, SSRS and Powerbi.**
- Demonstrated working with different connectors like Oracle, SQL, Twilio, Zendesk to **Powerbi**.

Algonation, Mumbai, India (Intern)   **Dec 2014 - Feb 2015**
- Gathered client requirement and created data model for healthcare project in **MySQL**.
- Created website using HTML5, CSS3, PHP and JavaScript (**CodeIgniter framework for PHP**).

Trivia Software, Mumbai, India (Intern)   **Jan 2014 -Jun 2014**
- Created data model for School ERP solution.
- Coded views and triggers in Oracle using **PL-SQL**.

ACADEMIC PROJECTS

Movie Suggestion System
- Created the application using **Flask Framework** in **Python 3.6**.
- Used packages as **NumPy, NLTK, Pandas** for word processing (performed **stemming** and **lemmatization**).
- The application used database of **1.5 million rows** to provide prediction results of genre.
- Deployed the application on **Google cloud**.

Pet-Store Project
- Created interactive website using **html5, PHP and JavaScript** for pet products.
- Developed different type of logins and created procedure to send emails from server.

Online Advising Simulation
- Developed a client-server multi-threaded application for an online student-teacher Advising system.
- Implemented message queuing using producer-consumer design pattern.

Intrusion prevention system with SHA 256 hashing
- Created system to prevent intrusion attack and implemented different level of authorization.
- Developed features of an admin page like group approval, member approval and group deletion.
- Used hashing SHA 256 for hashing and used fields like password to preventing spying.