

Kankshi Dhar

University of Maryland, College Park **May 2020**

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Education

University of Maryland - Master of Information Management

Data Analytics, Information Retrieval Systems, Data Science Models, Database Design

College Park, MD

Aug 2018-May 2020

University of Mumbai - Bachelor of Engineering in Computer Science

Relational Databases, Data Structures, Neural Networks, Artificial Intelligence

Mumbai, MH

Aug 2012-June 2016

Key Skills

- Programming Languages: Python, R, MySQL, Java, C++, Shell Scripting, NoSQL,
- Software: Nltk, Tensorflow, Keras, Sklearn, Pandas, tidyverse, Statsmodels, Caret, dplyr
- Big Data: Hadoop, MapReduce, Spark, Hive, PostgreSQL
- Tools: Tableau, Power BI, ArcGIS, Git, Jira, Confluence, AWS Redshift, Sharepoint, MATLAB
- Analytics: SAS Enterprise Guide, Oracle Hyperion BI, Oracle DB, Clear Analytics, SAP BI, Visio, Stata

Work Experience

University of Maryland, Data Analyst

Aug 2018 - May 2020

- Reduced run-time by **26%** & enhanced data processing by creating complex SQL queries to generate analytical insights for stakeholders
- Built ad-hoc reports with multifaceted data analysis for business teams leveraging BI tools such as SAS EG & Oracle Hyperion BI
- Optimized hyper parameters with historical data for University metrics, boosting trend analysis using Python3 - seaborn & Tableau
- Spearheaded FY19 and FY20 University financial impact profile creation with quantitative analysis using over **10 million records each**
- Work with stakeholders throughout the organization to identify opportunities for leveraging company data to drive business solutions

Cheniere Energy Inc., Information Analyst Intern

May 2019 - Aug 2019

- Reduced run-time by **6 hours** to create a Unique data source & Automating weekly volume report generation using MS Access & Excel
- Created & Maintained Data governance risk assessment records w.r.t PHMSA for FY20 using Advanced Excel, Visio & Pivot Charts
- Performed data mining & quantitative analysis to develop a trend tool tracking & forecasting Budget trends using Pivots & Macros
- Established KPIs to monitor the compliance of processes and associated records to company standard operating procedure requirements

Reliance Jio Infocomm Ltd., SAP CRM Developer

Sep 2016 - Jun 2018

- Lead to the organization **ranking #1** across the country by developing Enterprise IOIP services in a cross functional team to launch Individual owned products using ERP Suites such as SQL & NoSQL queries for over **30 million customers**
- Analyzed customer preferences data & developed 'Lead' project to increase profitability by reducing churn rate by **11%**
- Designed & Managed databases with a focus on performance, security, scalability and disaster recovery for large Enterprise Customers
- Created Data lakes & complex SQL queries for AWS RedShift & S3 bucket on partner codes decreasing run-time by **4 hours**
- Performed unit & integration testing of application for gap assessments to assess cost/benefit and technical viability of RDS solutions

Research Projects

Text Mining & Classification for HireSmith Career Portal

Jan 2020 - May 2020

- Performing text mining & classification on Job descriptions for skill trend analysis in multiple industries within past 10 years
- Pre-processed data & applied TF-IDF with Topic modelling to analyze full text of job description and functions
- Identified 16 Industries & examined it's independent effect with 7 other categorised attributes across 5 million records
- Implemented Animated Tableau dashboards and plotly to display categorised attribute's trends across years

Medicare Rate Forecasting Model

Aug 2019 - Dec 2019

- Achieved 12% accuracy over previous models by developing logistic regression & Neural network model with ensemble methods to detect correlation, patterns & predict average Medicare provider's reimbursement rate in a dataset of 10 million records
- Conducted data pre-processing & augmentation to eliminate outliers, avoid overfitting & data exploration using Plotly, sklearn
- Models verified that highest paid provider will be plastic surgeons, Cardio-thoracic surgeons and Anesthesiologists in FY20

Football Database Design

Jan 2019 - Apr 2019

- Developed a consolidated database to store, manipulate & search player & league statistics resulting in an efficient normalised system
- Designed an ER Model & translated model to relational schema using MySQL Database while implementing metadata management
- Created complex queries to generate dashboard views for leagues & match standings while performing diagnostic evaluations, best practice reviews and troubleshooting for an optimal Management system

Awards & Achievements

- Publication : "Offline Signature Corroboration Using Gray Level Features". International Journal of Engineering Science. Issue 3421
- Awarded with Best Sustainability Insight Award at the "Data Challenge 2020" for Ocean Cleanup Dataset by Booz Allen Hamilton
- Elected Director of Public Relations at Student Committee, 'YUVA' at University of Maryland (FY2019)