

ABHISHEK KUMAR

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ACADEMICS

University of Cincinnati, Carl H. Lindner College of Business
Master of Science in Information Systems
Certificate in Data Science

Cincinnati, OH

Availability: May 2019

GPA: 3.8

Sir Padampat Singhania University, School of Engineering
Bachelor of Technology in Computer Science (GPA: 7.1/10)

Udaipur, India

June 2015

TECHNICAL SKILLS

Programming: Python (NumPy, Pandas, Scikit-Learn, Seaborn, Matplotlib, SciPy, Beautiful Soup), R, SQL, SAS, Spark

Tools: Tableau, Splunk, Toad, Microsoft office, HP Service Manager

Skills: Exploratory Data Analysis, Data Visualization, Business Analysis, Data Wrangling, Machine Learning, Data Mining

Certifications: Data Visualization with Tableau, ITIL Foundation (IT Service Management), MCPS: Microsoft Certified Professional, MTA: Networking Fundamentals

ACADEMIC PROJECTS (2018-2019)

- **Recommendation Systems:** Created a model in **Python** using **MovieLens** dataset to recommend previously unseen movies to the user using User based **Collaborative filtering**
- **Support Vector Machine:** Classified flowers from iris dataset which contains three species of Iris in **Python**. Also, implemented **GridSearchCV** to extract the best possible parameter value for highest accuracy
- **Random Forest:** Solved titanic survival problem using random forest algorithm on **Kaggle.com**. Ranked among the **top 17%** of all the submissions
- **Linear Regression:** Predicted prices on San Francisco housing data set based on number of independent variables. Used **feature engineering** to manipulate variables and used Box-Cox method to identify transformations
- **Tableau:** Created an interactive dual layer dashboard to identify correlation between sales and profit on a superstore dataset and segregated them by regions.

PROFESSIONAL EXPERIENCE

DXC Technology - Bengaluru, India

April 2017 – April 2018

Data Analyst - Healthcare Vertical

- **Performed Data Mining** on large datasets to recognize customer retention and suggested improvements
- Developed **classification models** to perform customer segmentation and ranked them in low-risk, mid-risk and high-risk segments
- Used advanced modelling algorithms like **Linear Discriminant Analysis** and **Principal Component Analysis**
- Implemented **Predictive models** using tools and languages like **Python, R, and SQL**
- Created visualizations in Tableau to effectively communicate results that supported business decisions
- Automated reporting process of excel report file using **Pandas** data frames in **Python**
- Created **KPI dashboards** in **Tableau** for the senior management and Identified, and recommended improvement strategies for KPIs across all business areas

Hewlett Packard Enterprise - Bengaluru, India

October 2015 – March 2017

Technical Analyst - Healthcare Vertical

- Used **HP Service Manager** to fetch incident data of past 12-18 months and identified the top 3 categories which contributed to 70% of total incidents using **Pareto analysis**
- Worked with the dev team to find the resolution and workaround for these categories which resulted in reduction of incoming incidents by 50% and hence saved up to 6-man hours per week
- Performed **Root cause analysis** using **SQL queries** in the production database
- **Led a team and Peer reviewed** solutions created by them for database incidents
- Prepared monthly project review reports helping the senior management to assure project is delivered on time and within budget