AMIT PHADKE

Data Analyst | Data Engineer
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EDUCATION

Rutgers University   *Newark, USA (2019 – 2020)*
Master of Information Technology and Analytics (GPA: 3.7/4)
Relevant Coursework: Data Mining, Data Management with SQL, Data Science, Project Management, Data Analysis & Decision Making, Google analytics, Marketing Management, Multivariate Analysis.

University of Pune   *Pune, India (2014 – 2017)*
Master of Computer Science (GPA: 4.5/6)
Relevant Coursework: Relational Databases, Data Warehousing, Data Structures, Object Oriented Programming, Database Management Systems, Software Engineering

SKILLS

Programming Languages: SQL, Python, Java, R, JavaScript, PHP, HTML5, CSS3.
Database Systems: MS Access, Oracle, PostgreSQL, SQLite, MySQL.
Libraries: selenium, pandas, matplotlib, scikit, dplyr, ggplot2, caret, numpy, scipy, knitr, ml3.
Analytics/Development Tools: Tableau, PowerBI, Google Analytics, GitHub, JIRA, Anaconda, MS Excel, Flask, Wordpress, RESTful APIs.

EXPERIENCE

Katch Media
Data Analyst Intern   *Los Angeles, USA (July 2020 – December 2020)*
- Built scalable backend databases to process data for analytics and building interactive dashboards for presentations to the Executive team using SQL and Tableau.
- Identified sentiments and moods in a movie, by analyzing movie scripts using NLP techniques and classification algorithms in Python.
- Led a team of Interns to identify key metrics for a film's box-office performance in global markets, by building fixed effects regression models with an accuracy of 65% using R programming.
- Automated the 50% of the data collection process for the project, by implementing a data pipeline from web sources to databases by using Python, Selenium and Scrapy.

Accenture
Software Engineer   *Pune, India (December 2017 – February 2019)*
- Teamed with Developers and Data Analysts to maintain databases for Allianz SE, by analyzing, coding, and testing queries using SQL in an Agile software life cycle.
- Consolidated server and storage software by analyzing and upgrading core functionalities of the system, using Eclipse, Excel, and COBOL.
- Improved the quality of the products, by analyzing, executing and maintaining test cases, using COBOL and Excel.

Techspawn Solutions
Web Development Intern   *Pune, India (December 2016 - June 2017)*
- Collaborated with 3 web developers to automate data migration processes by 80% for an E-commerce website, by building a tool to transfer data from one framework to another, for using SQL, REST API's, PHP, and Python.
- Managed the business portfolio of a real-estate developer, by implementing the design and functionalities of their website, using CSS and JavaScript and PHP.

PROJECTS

Cluster analysis to build a Recommendation System from Spotify Playlists | Python, R, GGPlot, NBClust, SQL
- Designed a content-based filtering model to find similar songs on Spotify, by categorizing songs in 4 meaningful clusters based on their audio properties, using unsupervised clustering algorithms in R.
- Collected clean data from the Spotify API, by building a REST API wrapper in Python, using object-oriented programming concepts and Oauth2 functionalities.

Regression analysis of sports metrics in the IPL | R, GGplot, SQL
- Built a regression model to predict number of wins and runs in cricket, with an adjusted R-squared of 8.22 using multiple linear regression algorithm.
- Provided key metrics for team managements to building team rosters and player recruitment strategies, by identifying the most useful metrics that maximizing season wins at an efficient cost.

Classification of Adults in US based on income | Python, Matplotlib, Random Forests, Decision Tress
- Classified adults in the US by their yearly income with an accuracy of 80%, by building classification models in Python based on factors like gender, age, education, and race.