UPENDRA DESHPANDE

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SUMMARY

Strategic and Data Driven Lead with 5 years of industry experience. Currently pursuing MS in Data Analytics Engineering at Northeastern University and working as Graduate Teaching Assistant for Data Visualization course.

EDUCATION

Northeastern University, Boston, USA- Master of Science in Data Analytics Engineering   Expected Mar 2023
Relevant Coursework: Statistics with R | Data Visualization with Python and Tableau | Data Mining | Data extraction and Management

University of Pune, India- Bachelor of Engineering in Electronics and Telecommunication   Jun 2012-May 2016

TECHNICAL SKILLS

Programming Languages & Libraries: Python, R, regression modelling, prediction, time series analysis, Plotly, Pandas, Numpy, Scikit Learn
Database and OS: MySQL, Oracle PL SQL, Oracle Fusion HCM Cloud, Microsoft Azure, REST API, ETL, Spark, Hadoop, No-SQL
Tools/Software: Power BI, Tableau**,** Azure Devops, Jupyter Notebook, Postman, Jira, GIT, Confluence
Certifications: Microsoft Certified Data Analyst | Certified Data Scientist by IABAC | Data Science Foundation by IABAC
Achievements: Accenture Spark award for innovation | Accenture Star Performer award for revenue generation

EXPERIENCE

Graduate Teaching Assistant | Northeastern University| Boston, USA   Jan 2022-Present
- Conduct Python, R and Tableau practical sessions for graduate students and grading for computation & Visualization course

Data Science & Analytics Lead | Accenture| Pune, India   Jun 2020-July 2021
- Developed interactive dashboard with Python and Plotly dash, having multiple visuals based on statistical, text mining & keyword analysis, to generate business insights. Used following agile methodology tools: Jira, azure repositories
- Extracted data on Azure Databricks using SQL. Cleaned & categorized the data for sentiment analysis for Plotly dashboards.
- Built Sentimental analysis model with NLTK and created interactive visualization for emotional response.
- Created large data Extracts on Oracle cloud for extracting employee personal and performance information.
- Designed and Implemented ticket trend descriptive Analytics dashboard using Python with Pandas, time series analysis & matplotlib to get the insights on the average distribution of workload, made resource management decisions to maintain the project KPI.

Service Delivery Manager (Onsite) | Accenture| Frankfurt, Germany   Oct 2019-Jun 2020
- Collected requirements from informatics business to analyze & implement data Science solutions with business strategy and goals.
- Developed end to end the AI ticket replication system using Python, creating machine learning model to predict the categories based on keywords and increased team's productivity by eliminating 15% of human dependency.
- Led team of 3 product engineers, 2 data analysts and supervised third party application support teams.
- Created user satisfaction survey to support leadership in optimal decision making.
- Innovated & automated the healthcare Veeva Vault cloud application processes using Python and REST API to minimize the manual efforts of business administration. Increased ROI by 9 %, time saving per task.

Data Engineer | Accenture| Bangalore, India   Jun 2018-Oct 2019
- Generated reports using advanced SQL on application Databases for maintaining application license cost.
- Implemented and deployed new data models and data processes in the production and optimized query performance by 40%
- Tested the data discrepancy between expected & actual SQL results and owned data quality of time management tools.

Associate Application Developer | Accenture | Bangalore, India   Feb 2017-Jun 2018
- Managed data warehouse plans for R&D products. Maintained production database system's PLSQL Scripts and Triggers.
- Developed proof-of-concept for drug requirement forecasting, Google dialogueflow chatbot Prototype and presented to leadership

Software Engineering Intern | Sarvavid Software Solutions, LLP | Pune, India   Jun 2016-Feb 2017
- Built web application to regulate raw supply for architecture site using JQuery, Ajax, REST API, HTML and CSS. Wrote unit tests to test the code and fixed the bugs to improve application functionality. Automated test cases using Python, Selenium Library.

PROJECTS

Raw Material Traceability Database System: *MySQL, Spark, Python, Big-Data, No-SQL, Hadoop*   Oct 2021-Nov 2021
- Designed Data Architecture components to maintain supply chain operations by storing employees from warehouses, vendors and Built ETL pipeline using python to visualize the data

Capital Bikeshare: *R, Tableau, Descriptive Analytics*   Oct 2021-Nov 2021
- Analyzed the blue bike rentals historical data consisted of weather measures, by cleaning and categorizing the data using R and created different visualizations using Tableau to understand the important factors and patterns behind the trend.

Drug Demand Forecasting: *Python, Linear Regression Modelling, Data Science, Model Accuracy Measure*   Mar 2019- Jul 2019
- Forecasted drug requirement for certain period, analyzing trend in drug demands by predictive modelling using regression analysis