



VEDANT MANDRE

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Information Systems, **Concentration:** Data Science

May 2024

Relevant coursework: Data Science, Database Management Systems, Big Data and Information Systems, Web Mining, Mathematics, Research Project Seminar, Statistics

Bachelor of Engineering, Information Technology

Mumbai, India

University of Mumbai, India

June 2020

Relevant coursework: Software Engineering, Artificial Intelligence, Data Mining and Business Intelligence, Web Development

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages/Tools: Python, C++, R, Java, MySQL, Git, PostgreSQL, MongoDB, SQL, Spark, Azure DevOps, AWS Redshift

Libraries/Frameworks: Scikit-Learn, TensorFlow, Pytorch, BeautifulSoup, Matplotlib, Pandas, NumPy, MLOps, Tableau, Power Bi

Other: DL, EDA & Data Visualization, Data Aggregation, ETL, Feature Engineering, Data Extraction, Microsoft Excel & PowerPoint

Certifications: Google Data Analytics by Google, Machine Learning Specialization

EXPERIENCE

Data Scientist

September 2021 – August 2022

Tata Consultancy Services, India

- Analyzed asset trends, delivery partner efficiency, and logistics costs to provide client with valuable insights, resulting in a 15% cost reduction
- Implemented a ML model on asset data to filter out high-priority assets and ID cards, reduced data leak from 25% to 5%
- Generated interactive Power Bi dashboards on 100 gigs of data to track logistic costs, enabling leaders to identify areas for improvement and implement financial strategies
- Streamlined manual processes by 10% and facilitated effective collaboration with stakeholders

Junior Data Analyst

February 2021 – August 2021

Tata Consultancy Services, India

- Extracted and manipulated findings using 380+ ad hoc SQL access queries with a 97.3% accuracy rate, ensuring the integrity policy of the information used for analysis and reporting
- Developed and implemented data validation checks and algorithms to improve data accuracy and reliability by 22%, enhancing decision-making capabilities

Streamlined and automated data ingestion processes by developing and implementing CI/CD pipelines using Jenkins and GitLab CI, resulting in a 30% reduction in deployment time

ACADEMIC/INDEPENDENT PROJECTS & VIRTUAL WORK SIMULATIONS

Multiple disease Prediction

June 2023 -August 2023

Python, Streamlit, Render

- Developed a disease prediction model using SVM with average accuracy of 77%, leveraging the pickle library to load and utilize pre-trained SVM models, allowing predictions without optimization models
- Designed an interactive web-based GUI for end users and deployed on cloud as open-source web application

Movie Recommendation System

February 2023 - March 2023

Python, Streamlit

- Engineered a movie recommendation application using NLP and collaborative filtering on TMDb movie dataset. Evaluated cosine similarity between movies based on tags, recommended top 5 films based on user input
- Built a user behavior interface using Python and Streamlit with drop-down menu and CSS transitions for improved UX

British Airways Data Science Virtual Experience, The Forage, Micro Intern

November 2023 - January 2023

Python, Beautiful Soup, Natural Language Processing

- Extracted ratings data from online source using Beautiful Soup Python script, cleaned & processed data to remove null values, visualizing data using Matplotlib & Seaborn to analyze airline sale completion
- Trained Random Forest & Logistic Regression models to predict sale, inserting additional dataset to yield 0.62 precision, 0.58 recall, 0.6 F1 score, & 0.66 specificity metric score