

PRANJAL UMESH KALEKAR

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Education

Northeastern University

GPA 3.902 | Expected May 2024

Master of Science, Data Analytics Engineering

Courses: Database Management, Algorithms, Data Analytics, Data Mining, Computation and Visualization for Analytics

Veermata Jijabai Technological Institute, India

May 2022

Bachelor of Technology, Electronics Engineering

Courses: DS, Image and Video Processing, Neural Networks and Fuzzy Systems, DBMS, Natural Language Processing

Professional Experience

Saint Louis University

Oct 2021-Nov 2021

Data Visualization Intern

USA, Virtual

- Executed an **A/B test** on Meta ads, resulting in a monthly subscriber increase of 5% on the client's Meta page, demonstrating proficiency in analyzing structured and unstructured data with a focus on **NLP** for textual features.
- Developed an outcome-based **road mapping strategy** for an ad campaign project, achieving a **5% growth** rate in reach and presenting the plan to key stakeholders, showcasing excellent **communication** and **presentation skills**.
- Envisioned interactive data with **Tableau, pandas, and Power BI** to support strategic business decisions, showcasing proficiency in analytics, Business Intelligence, statistics, and data science.
- Implemented **Agile methodology** and utilized **Jira** to enhance team productivity. Leveraged **user stories, backlog, and sprint planning**. Monitored progress through Jira's real-time tracking, fostering collaboration in daily stand-ups

Eddy Tool & Tech Solutions

Jul 2021 - Sept 2021

Project Head & Computer Vision Intern

Mumbai, IND

- Invented and presented attention tracking system using facial landmarks and variance of live transmission or recording for proctoring client to monitor online lectures and exams.
- **Led an 11-person team** that developed a model to measure parameters for **absence, gaze and drowsiness control, framatic standard deviation**, and movement variance; used **dlib and GitLab**
- Collaborated with senior team members for data warehousing, data cleaning, and other analytics to implement machine learning and computer vision algorithms in C++ and CMAKE to achieve **98% accuracy** in every parameter

Academic Projects

CredRisk: A Credit Risk forecasting Predictor Model | Northeastern University

Jan 2023 - May 2023

- Ran **ETL using Python** on LendingClub data for extraction, cleaned, processed, and fine-tuned the data for **feature extractions** with correlation with the target. Visualized data using **Tableau dashboard** and Python libraries.
- Executed ML algorithms such as XGB classifier, Random Forest Tree, Logistic Regression with SMOTE oversampling, etc. reaching balanced accuracy of **89%** with a specificity score of **0.97** for the class of interest (high-risk loans)

All-in-one Airport Management System using MySQL | Northeastern University

Sep 2022 - Dec 2022

- Using **ETL pipelining** Created an **RDBMS** containing the entities in Airport Management system including terminals, pilots, employees, stores, etc. from different data sources. Connected the entities with access control
- Got insights into the system using **CTEs, window functions, and different MySQL Queries**. Corresponded **Apache Sparks queries** to scale and modified DB using different constraints
- Visualized the database using **Tableau dashboard** and Python Libraries Such as Matplotlib, plotly and seaborn

Technical Skills

Tech Languages	Python, R, MySQL, Microsoft SQL, Oracle SQL, C++, JavaScript, MATLAB, Cypher
Databases	MongoDB, MariaDB, Neo4j, Apache Spark, PostgreSQL, NoSQL, RDBMS, Oracle DB
Tools	GitHub, Tableau, MS Power BI, Terraform, WordPress, Azure, AWS S3, Hadoop
Libraries	SciPy, pandas, Scikit-learn, dlib, seaborn, PyTorch, Statistics, SpaCy, NLTK
Platforms	Microsoft Excel, Google Colab, PyCharm, GitLab, Pyspark, MS Office, Unix/Linux, Agile

Certificates and Leadership

- **Kaggle Advanced SQL certificate** showcasing mastery in aggregate, Window Functions& BigQuery datasets.
- **VP of Relations and Projects**, Data Science Hub at Northeastern University, Hosting Kaggle days DataThon
- **Climate Justice Fellow 2023**, Documenting Northeastern University's first Climate Justice Action Plan