Rohan **Gonjari**

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EDUCATION

University of Massachusetts Dartmouth, Massachusetts   *Sept 2021 - Ongoing*

- Masters of Science in Data Science   *CGPA: 3.95/4.00*
- Coursework: High-Performance Scientific Computing, Advanced Data Mining, Machine Learning, Data Visualization, Data Design & Systems, Business Analytics

National Institute of Technology, Surathkal, Karnataka (NITK), India   *July 2016 - June 2020*

- Bachelor of Technology in Electronics and Communications Engineering
- Coursework: Numerical Analysis, Discrete Mathematical Structures, Data Structures & Algorithms, Statistical Analysis

TECHNICAL SKILLS

Technologies: Python | MATLAB | R-Programming | SQL| Java | JavaScript | HTML | CSS | MySQL | Tableau | MS Excel
Libraries: SciKit-Learn | Matplotlib | Pandas | Numpy | Tensorflow | XGBoost | Seaborn
OS: Windows | Linux

PROJECTS

Evaluating Medical Condition of a Patient   *March 2022- April 2022*

- Performed EDA to determine significant features based on correlation and a multiple regression model.
- Built Random Forest and Gradient Boosted Decision Tree models and determined the best model to predict medical scores based on RMSE.

Housing Rate Predictor   *Feb 2022- April 2022*

- Performed EDA on the dataset to identify the most significant features & use said features to perform feature engineering.
- Built a Regression model with Cross-Validation & Recursive Feature Elimination with significant & engineered features.
- Evaluated different regression models based on accuracy & coefficients to identify the best model to predict housing prices.

Evaluating Random Forests in R   *March 2022- April 2022*

- Implemented Random Forest model with an accuracy of 91.39% and a 2nd Random Forest model with multiple parameters using Grid search & obtained an accuracy of 91.41%.
- Evaluated & compared different RF models based on OOB error & RMSE to identify the best models in different use cases.

Visualizing Olympics Performance   *Jan 2022- April 2022*

- Processed Olympics data between 1960 – 2016 to generate medal counts for specific groups and built a double-sided D3 bar chart with user interactivity & navigation options using JavaScript.
- Built a web framework using HTML and CSS & added navigation to other visualizations built by team members.

Automobile Insurance DB Management   *Oct 2021- Dec 2021*

- This project provides a user interface to perform functions on an Automobile Insurance database.
- Users can perform actions like adding new accidents to the database, querying for details of a specific accident, and filtering out accidents using certain search criteria.

YOLO – Object Detection System   *July 2019 - June 2020*

- Implemented YOLO, using a deep learning framework along with a Darknet Architecture with pre-defined weights.
- Performed in the OpenCV Python module using predefined datasets, after which we trained the model to detect specific objects.

WORK EXPERIENCE

Business Analyst | *Destek Infosolutions* | *Pune, India*   *Oct 2020 – May 2021*

- Collaborated with 80+ clients to walk them through the end-to-end completion of their requested e-commerce project.
- Gathered technical insights from local businesses to help improve their e-commerce websites & projects.
- Led training sessions on the projects/websites developed and presented them to clients for approval of deployment.
- Created informative, actionable, and repeatable reports & dashboards to highlight business trends using Tableau.
- Performed regression to identify states with high-value customers based on sales and usage of their project.

Data Analytics Intern | *KPMG* | *Remote*   *July 2020 – Aug 2020*

- Cleansed and analyzed data to thoroughly confirm quality and completeness to ensure its preparation for analysis.
- Successfully identified and targeted high-value customers based on demographics using a simple regression model.
- Analyzed dataset to present visualizations and data insights.

ACHIEVEMENTS

Committee Member for **Indian Student Association**, UMassD | Assistant at **LLMC**, UMassD | Member of **Big Data Club**, UMassD | Creative & organizing committee for NITK **Incident' 18** | Member of **Flying & Robotics Club**, NITK | Built RC plane for **Wright Flight' 16** | Participated in **MUN** sessions in Qatar & NITK, India | Member of **Toastmasters** International (Professional Speaking)