

Pratik B. Domadiya

Data Scientist – ML Engineer

 <https://pratikdomadiya.github.io/Portfolio/>

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Scarborough, ON

Currently pursuing a Post-Graduate Certificate in Artificial Intelligence and Data Science; Seeking an internship or Co-op position where I can utilize my insightful data analytics and visualization, Statistics, Data Engineering, Machine Learning, Computer vision, AI, and Data Science skills to drive growth in market; Achieved 35% cost-savings in company expenditures by identifying consolidation and automation opportunities; Able to Manage team, communication, accountability, and troubleshooting.

INTERNSHIP / WORK EXPERIENCE

Upwork | The World's Work Marketplace For Freelancing

(Jan 2020 – Nov 2022)

Data Engineer (ETL Developer) (Independent Freelancer) | [Explore Profile](#)

- Implemented Data Extracting Methods - Web Scraping – Scrapy, BS4, Selenium Using Python and promoted “Top Rated Freelancer” represents top **10%** of talent on Upwork in **6 months**.
- Applied Python – Regex for Data Transformation, Cleaned and Load into Database/Cloud Like MS SQL, MySQL, AWS Using Database Queries and Python API and finished more than **25** distinct ETL (Web Scraping) projects with **100%** delivered on time.

Wholetex | Clothing Wholesaler | Surat, Gujarat, India

(May 2020 - Jun 2021)

Software Engineer (ETL Process Management & Mobile App Development)

- Initiated Automated Python Script for Extracting Data from Predefined Websites, Transform & Cleansing and Dumped into MySQL Database For Production Use which cut down **70%** of manual work and reduced overall costs by **35%**.
- Developed Cross Platform Mobile Application Using Flutter Framework which boosted vendor responses and beat our latest highest sell by **20%** as a result.

Physical Research Laboratory | A Unit of Dept. of Space, Govt. of India.

(Jan 2020 - Apr 2020)

Machine Learning Engineer - Research Project Intern (Deep Neural Network)

- [Deep Learning Based Solar Flare Forecasting Model](#) | CNN, Auto Encoder, Keras/Tensorflow, Python3, Selenium, IDL.
- Designed Database of more than **20k** satellite images (Solar Observatory Image Dataset) with Automation Tool-Selenium Web Driver and Scrubbed by applying image processing techniques.
- Built Deep learning model with concepts of Hybrid Convolution Neural Network for prediction of solar flares and achieved **78%** accurate result.

TECHNICAL SKILLS:

- | | |
|------------------------------------|---|
| • Programming Languages | Python, SQL, R. |
| • Machine Learning & AI | Scikit-learn, Deep learning, Tensorflow, Keras, Statistics, ML Modeling, Computer vision, time series analysis, NLP |
| • Data Intensive Skills | Data Warehouse/ETL, Data Visualization, Data Analysis, Web scraping. |
| • Data Analytics | EDA, Matplotlib, seaborn, Plotly, Business KPI, Statistical Analysis |
| • Cloud / Databases | AWS Cloud, S3, MySQL, MSSQL. |
| • OS | Micro soft, Linux, Mac. |
| • Tools / Software | Tableau, Power BI, Jupyter, Google Colab, Git, Visual Studio, PyCharm. |
| • Other | Positive, team-oriented attitude |

ACADEMIC PROJECTS

[view portfolio](#)

House Price Prediction | Python – Scikit-learn, Linear Regression, Data Visualization – Matplotlib, Data Pre-processing

- Invented new dataset teamed with Three students using web scraping techniques, visualized and Pre-processed, applied Machine Learning model for imputing missing data and prepared data ready for Regression model, and got **71%** accuracy.

Uber Data Analysis with Tableau/Python | Tableau, Python, matplotlib, seaborn, data visualization, Presentation, Statistical Analysis

- Analysed the Uber Technologies, Inc. Data using Tableau and Python libraries such as Matplotlib, Seaborn; detect patterns in fluctuations and cater to the demand and present the insights from data that will help the business grow.

Identify the habitability score of a property | Python/Scikit-learn, Pandas, NumPy, Decision Tree, SVR, Random Forest, LR.

- Preprocessed the data set, rectified missing information using Decision Tree Regressor, applied linear models such as Support vector regressor, Random Forest and Linear Regression to identify habitability score of property, found around **81%** accuracy.

EDUCATION

LOYALIST COLLEGE IN TORONTO, ON, CANADA

(Sept 2021 - Sept 2023)

- Ontario College Graduate Certificate: Artificial Intelligence & Data Science.
- Relevant Coursework: Probability Theory, Stochastic Modeling, Data Analysis, Data Mining, Machine Learning, deep learning, Mathematical Statistics, Natural Language Processing
- [Data Science Academic Course Work](#) | Python, statistical modeling, Logistic Regression, SVM, Decision Tree, Data Analysis
- **DeepLearning.AI Tensorflow Developer Professional Certificate** – DeepLearning.AI Community (Coursera).
- **AWS Certified Cloud Practitioner** – Amazon Web Services.

DHARMSINH DESAI UNIVERSITY, GUJARAT, INDIA

(Jul 2016 - May 2020)

- (Bachelor of Technology) in Information Technology
- **Honours:** CGPA - 8.62/10.0, Secured 19th Rank.

EXTRACURRICULAR ACTIVITIES AND CERTIFICATION

- **Master SQL Development** – LinkedIn Learning Certification.
- Earned **Data Analysis with Python certificate** - IBM (Collaboration with Coursera).
- **Tableau For Data Scientists** - LinkedIn Learning Certification.
- Completed **Machine Learning and Data Science Hands-on with Python and R** – UDEMY.

INTERPERSONAL SKILLS

- Working with Team
- Analytical & Problem-solving skill
- Adaptability
- Professional Communication & Collaboration
- Empathy & Caring