Pratik B. Domadiya

Portfolio website | LinkedIn | Github | pratikdomadiya123@gmail.com | (437)-988-5922 | Scarborough, ON

Currently pursuing a Post-Graduate Certificate in Artificial Intelligence and Data Science. Seeking an internship or Co-op position in insightful data analytics and visualization, Statistics, Data Engineering, Machine Learning, AI, and Data Science. Strong understanding of Machine Learning Libraries (in Python), data exploration, data visualization tools, and SQL.

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.
- 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%.
- Also Developed Cross Platform Mobile Application Using Flutter Framework.

Physical Research Laboratory | A Unit of Dept. of Space, Govt. of India, Ahmadabad**.**   (Jan 2020 - Apr 2020)
Machine Learning Engineer - Research Project Intern (Deep Neural Network)
- **Deep Learning Towards Solar Flare Prediction** | 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.
- **Data Intensive Skills**   Data Warehouse/ETL, Data Visualization, Data Analytics, Web scraping.
- **Cloud**   AWS Cloud.
- **Data Bases**   MySQL, MSSQL.
- **OS**   Micro soft, Linux, Mac.
- **Tools / Software**   Tableau, Power BI, Jupyter, Google Colab, Git, Visual Studio, PyCharm.

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.

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.

Data Science Academic Course Work | Python, statistical modeling, Logistic Regression, SVM, Decision Tree, Data Analysis

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.
- **DeepLearning.AI Tensorflow Developer Professional Certificate** – DeepLearning.AI Community (Coursera).
- **AWS Certified Cloud Practitioner –** Amazon Web Services.

DHARMSINH DESAI UNIVERSITY, GUJARAT, INDIA - (B.Tech) in Information Technology   (Jul 2016 - May 2020)
- **Honors** : 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.