Dhruv Chandra

Data Engineer

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Dhruv-Chandra

Experienced in Software Engineering with a focus on developing high-performance applications using Python and .Net.
Acquired data engineering skills through academic and project experience, such as managing databases, building data pipelines, and employing BI techniques.

Website: https://dhruv-chandra.github.io/profile

WORK EXPERIENCE

Software Engineer

Coforge, Noida

September 2021 - PRESENT

- Automated the process of filling and converting MailMerge documents to PDF, achieving a speed of over 3,000 documents in 20 minutes and saving months of manual testing time and paid service fees.
- Designed and implemented a lightweight XML parser that displayed the attributes and properties of any XML document in a tabular format, reducing the memory usage by 47%.
- Applied data analysis and engineering skills to create multiple SQL scripts that automated the resolution of premium discrepancies for over 1,000 policies in the production environment.

Graduate Engineer Trainee

Coforge, Noida

April 2021 – August 2021

- Completed multiple company-sponsored Data Engineering trainings, mastering key concepts and tools to optimize data processing pipelines.

QA Intern

Monster India, Noida

Feb 2021 - April 2021

- Oversaw the enhancement of search relevancy and optimization for the updated v4 recruiter platform.
- Reported several search relevancy issues in v4 and on the the-then current v3 production website.

SKILLS

C#, .Net Programming.

Python (NumPy, SciPy, Pandas, Scikit-learn, Flask).

SQL

Data Cleaning, Exploration & Visualization, Feature Selection/Extraction, Hyperparameter Tuning.

Outlier/Anomaly handling, Data imputation, Cross Validation.

Machine Learning (Classification, Regression, Ensemble Techniques).

Unsupervised Learning - Clustering (K-Means)

NLP - Natural Language Processing.

Deep Learning - Keras.

AWS - Sagemaker, S3, Model Monitoring, Clarify.

- Presented a weekly summarized report to the company's top executives, including the CEO and board members, updating on the progress of the v4 website.

Machine Learning intern

UNIVO EdTech, Noida
Feb 2020 - Sep 2020

- Created and implemented several ML models, currently hosted on the **Amity Future Academy**, predicts the students at risk of dropping out and/or failing the course with an accuracy and precision of over 92%.

PROJECTS

- **Face-Emotion-Detection**
  - Facial Emotion Detection system for on-the-fly emotion detection.
  - Enhanced the classification model by applying data augmentation to achieve an accuracy of 79%, with a precision of over 74%.
  - **GitHub**: Dhruv-Chandra/Face-Emotion-Detection

- **Big Mart Sales — Analytics Vidhya Hackathon**
  - Forecasted individual product sales revenue at specific locations.
  - Applying severe Data Engineering and Feature Selection resulted with a RMSE of 1170.99, a reduction from an average of 1367.85.
  - **GitHub**: Dhruv-Chandra/Big-Mart-Sales

- **Black Friday Sales — Analytics Vidhya Hackathon**
  - Analyzed sales pattern of Black Friday discounts.
  - Using Random Forest Regression with various hyperparameter adjustments, secured a rank of 323 among 5000+ applicants.
  - **GitHub**: Dhruv-Chandra/Black-Friday

- **Titanic Survival Prediction — Kaggle Competition**
  - Analyzed the huge difference of death numbers among several class of people, during the Titanic catastrophy.
  - Developed various classification algorithms such as Random Forest, SVC, and Bagging Classifier, to achieve a top accuracy of 82.49%, with a 85.36% precision.
  - **GitHub**: Dhruv-Chandra/Titanic

CERTIFICATIONS

Microsoft Azure Fundamentals (AZ - 900).

AWS Partner: Machine Learning on AWS(Technical)(Classroom).

Data Science (Amity Future Academy).

Deep Learning (Amity Future Academy).

Foundation of Machine Learning - Julia (JuliaAcademy).

Python Quiz Series - 1, 2 (HKBK College of Engineering).

Python Basic (HackerRank).

EDUCATION

Amity University, Noida
B. Tech in CSE
July 2017 - June 2021
7.22 CGPA

- **Heart Patients**
    - Examined trends in Chronic Heart Diseases of elder population.
    - Achieved a peak accuracy of 89.86%, with a precision of over 92%, using a Stacking Classifier.
    - **GitHub**: Dhruv-Chandra/Heart-Patients
- **Click-Rate Prediction – Analytics Vidhya Joba-a-Thon**
    - Forecasted user interest by analyzing the number of website clicks.
    - Achieved a ranking of 281 out of 8,000+ participants.
    - Top R2 score achieved: 0.429.
- **Loan Prediction**
    - Random Forest classifying potential loan defaulters from genuine applicants, with an accuracy and precision of more than 79%.
- **Mexico Covid Cases Severity Analysis**
    - Examined approximately 1 million data points for trends.
    - Developed a model predicting the severity of future COVID patients with an accuracy of 86.45%.