Dhruv Chandra

Data Engineer

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Dhruv-Chandra

With 2.5 years of experience in the IT sector, I am eager to pursue opportunities in Data Science/Analytics. I aim to apply my analytical expertise to offer data-informed business strategies. I'm looking for a position where I can harness my technical knowledge and analytical prowess to further the objectives of the company.

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

EXPERIENCE

Coforge (erst. NIIT Technologies), Noida

Software Engineer

September 2021 - PRESENT

- I have developed multiple applications in .Net, now actively used by our team and clients, to enhance operational efficiency and boost productivity. These applications include:
  - CodeViewer: This tool presents various fields or variables and their properties from a DuckCreek XML Manuscript in a structured table format. It eliminates the need for developers to navigate through bulky applications for basic tasks, thereby conserving time and effort.
  - VersionController: This utility streamlines the creation of new DuckCreek Policy Manuscripts, ensuring compliance with inheritance guidelines, and operates at a faster pace compared to previous applications.
  - MailMergeApp: Designed to efficiently populate Mail Merge fields in over 2,000 Word documents tailored to individual users based on client specifications. It completes this task in under 30 minutes and consolidates the filled forms into a single PDF.
- Additionally, I've been instrumental in the development and quality assurance of software using Duck Creek, particularly for the Auto Insurance Domain.
- This involved diagnosing and rectifying software glitches and creating procedural documentation to facilitate team efficiency.
- I also played a pivotal role in addressing alignment concerns during app theme modifications and periodically handled Billing Data Fix challenges.

SKILLS

React, React JS.

C#, .Net Programming.

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

SQL, MySQL (Open-Source Relational Database).

Data Cleaning, Exploration & Visualization, Feature Selection/Feature 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

Coforge (erst. NIIT Technologies), Noida

Graduate Engineer Trainee

April 2021 – August 2021

- Examined and crafted policies, billing, and form-based functionalities based on client needs.
- Resolved pertinent issues promptly to enhance productivity.
- Finished multiple training sessions on .Net, Duck Creek Policy and Billing.

Monster India, Noida

QA Intern

Feb 2021 - July 2021

- Oversaw the enhancement of search relevance and optimization for the updated v4 recruiter platform.
- Identified and reported search relevance issues in v4.
- Tasked with compiling a weekly summary report for presentation to the company's top executives, including the CEO and board members.

UNIVO EdTech, Noida

Machine Learning intern

Feb 2020 - Sep 2020

- Understand the working of different online courses hosted on the Moodle Platform.
- Create a ML Algo to predict students at risk of dropping out and failing the course.

EDUCATION

Amity University, Noida— B. Tech in CSE

July 2017 - June 2021

- Learned extra electives like Machine Learning and Deep Learning from NPTEL.
- Attended a 5 - Day Military Camp held at Amity University, Manesar.

PROJECTS

- **Face-Emotion-Detection**
    - Engaged in a Kaggle competition focused on emotion detection from facial pictures.

Monitoring, Clarify.

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)

Books Read

Psychology of Money

Atomic Habits

Rich Dad Poor Dad

- Achieved a top accuracy score of 0.79.
- Enhanced model training by applying data augmentation techniques on the training dataset.
- Developed a Python script for on-the-fly emotion recognition.
- GitHub: Dhruv-Chandra/Face-Emotion-Detection

- **Big Mart Sales — Analytics Vidhya Hackathon**
  - Forecasted individual product sales at specific locations.
  - Achieved the lowest RMSE of 1170.99 among all regression models, a reduction from an initial 1367.855.
  - GitHub: Dhruv-Chandra/Big-Mart-Sales
- **Black Friday Sales — Analytics Vidhya Hackathon**
  - Forecasted sales for Black Friday events in the US.
  - Utilized Random Forest Regression with various hyperparameter adjustments.
  - Achieved the lowest RMSE of 3199.96 among all tested models.
  - GitHub: Dhruv-Chandra/Black-Friday
- **Titanic Survival Prediction — Kaggle Competition**
  - Conducted Exploratory Data Analysis (EDA) and constructed models to forecast survival patterns.
  - Developed various classification algorithms such as k-NN, Decision Trees, Random Forest, SVC, and Bagging Classifier.
  - Achieved a top accuracy score of 0.8249.
  - GitHub: Dhruv-Chandra/Titanic
- **Heart Patients**
  - Forecasting Trends in Chronic Heart Disease.
  - Achieved a peak accuracy of 89.86%. Constructed various classification algorithms such as k-NN,
  - Decision Trees, Random Forest, and Stacking Classifier.
  - GitHub: Dhruv-Chandra/Heart-Patients

- **Click-Rate Prediction**
  - Attended Job-a-Thon in August 2022 organized by Analytics Vidhya.
  - Forecasted user interest by analyzing the number of website clicks.
  - Achieved a ranking of 398 out of 8,000 participants.
  - Top R2 score achieved: 0.429.

- **Loan Prediction**
  - Predictive model for determining loan approvals for prospective applicants.

    - Evaluated historical loan applicant data to forecast potential default risks.

- **Mexico Covid Cases Severity Analysis**
    - Examined approximately 1 million data points for trends.
    - Developed a forecasting model to predict the severity of future COVID patients based on their medical records.
    - This initiative can help in early identification of potential severity in patients, ensuring they receive timely and adequate medical care.