Dhruv Chandra

Data Engineer

Address: Shalimar Bagh
New Delhi, 110088
Phone: +91 8279347506

dhruvchandra0401@gmail.com

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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 Monitoring, Clarify.

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**
    - Participated in Kaggle Competition for detection of emotions using facial images.

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

- Best Accuracy score: 0.79.
- Implemented Data Augmentation on training data for better model training.
- Created a python script for real time emotion detection.
- GitHub: Dhruv-Chandra/Face-Emotion-Detection

- **Big Mart Sales — Analytics Vidhya Hackathon**
  - Predicted the sales of each product at a particular outlet.
  - Best RMSE among all regressors - 1170.99. Reduced from 1367.855 - 1170.99
  - GitHub: Dhruv-Chandra/Big-Mart-Sales
- **Black Friday Sales — Analytics Vidhya Hackathon**
  - Predicted the sales on the occasion of Black Friday in the US.
  - Applied Random Forest Regression algos with multiple Hyper Parameter Tunings.
  - Best RMSE among all models- 3199.96
  - GitHub: Dhruv-Chandra/Black-Friday
- **Titanic Survival Prediction — Kaggle Competition**
  - EDA and Model Building in order to predict Survival Pattern.
  - Built multiple classification models including k-NN, Decision Trees, Random Forest, SVC, Bagging Classifier.
  - Best score: 0.8249
  - GitHub: Dhruv-Chandra/Titanic
- **Heart Patients**
  - Predicting Chronic Heart Disease Patterns.
  - Best Accuracy: 89.86%.
  - Built multiple classification models including k-NN, Decision Trees, Random Forest, Stacking Classifier.
  - GitHub: Dhruv-Chandra/Heart-Patients

- **Click-Rate Prediction**
  - Participated in Job-a-Thon August, 2022 hosted by Analytics Vidhya.
  - Secured a rank of 398 among 8k participants.
  - Best R2 score: 0.429.

- **Loan Prediction**
  - Predictive Model to decide Loan Allocation for future applicants.
  - Analyses past data of loan applicants and their outcome to predict potential Loan defaulters.

- **Mexico Covid Cases Severity Analysis**

- Analyzed around 10 lakh Data values for Patterns.
- Created a Predictive model to identify severity in future covid patients using their medical history.
- This project could be used to detect the potential severity early in patients and give them appropriate medical attention in time.