

# Dhruv Chandra

## Data Analyst

Experienced in Software Engineering with a focus on developing high-performance applications using Python and .Net.

Acquired Data Science skills through academic and project experience which can be found below.

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## 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 SQL, Data Science trainings, mastering key concepts and tools to optimize data modelling and model deployment.

### QA Intern

*Foundit, 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.
- 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%.

## SKILLS

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

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

SQL

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.

## EDUCATION

**Amity University, Noida**

**B. Tech in CSE**

July 2017 - June 2021

7.22 CGPA

## PERSONAL 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 RMSE of 1367.85.
  - **GitHub:** [Dhruv-Chandra/Big-Mart-Sales-2022](#).
- **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 catastrophe.
  - 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](#).
- **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 Job-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%.
  - **GitHub:** [Dhruv-Chandra/Loan-Prediction](#).
- **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%.
  - **GitHub:** [Dhruv-Chandra/Covid-19](#).

## 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).