Aditya Kaushal

B.Tech/B.E
Computer Science & Engineering
at Chandigarh University
CGPA:7.44

Chandigarh University, Mohali
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Links

Github: **adityakaushal**
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Technical Skills

PROFICIENT
C/C++, Java, Python
HTML, CSS

INTERMEDIATE
Flask, Android, JavaScript

OTHERS
Git, Vim,
Firebase, Microsoft Azure,
Android Studio, Google Cloud,
Bash, My SQL, Oracle SQL, Mongo DB,
Spark SQL

Coursework

Data Structures
Algorithm
Neural Networks
Discrete Mathematics
Operating Systems
MySQL
Data Analysis
Machine Learning

Education

2016-2020
B.TECH/B.E IN CSE
Chandigarh University, Mohali
CGPA : 7.44/10

2014-2016
HIGH SCHOOL
Pragyan School, Greater Noida
Percentage: 82%

Internship Experience

Jan'20-May'20 **Aerogram (IIT-Delhi Startup)** **Data Engineer Intern**

Developed a web-app using Python, Flask, HTML, CSS, JavaScript, Google Cloud Firestore to predict PM2.5 values 3-5 hours ahead using forecasting algorithms like Facebook Prophet, S-ARI-MA, and Exponential Moving Averages for public consumption. Also, wrote Python scripts and designed ETL Pipelines on Google Cloud to migrate air pollution telemetry feed from low bandwidth IoT-Devices to Google Cloud SQL using Google Cloud functions. Also, integrated the pipelines with MQTT protocols using Google Pub/Sub & IoT core.Analysed the weekly and monthly PM 2.5 of the E-BAM and IIT-D during and before the COVID-19 lock down to determine the seasonality and trends.

Python, SQL, Pandas, NumPy, SciPy, Algebra, Google Cloud Platform, HTML, CSS, Flask, ETL, Statistics, Tableau

Mar'19-Apr'19 **Hitachi (Bangalore)** **Data Analyst Intern**

Developed a solution for extracting the arrival and departure time of Indian Railways Trains for comparing the NTES data with the actual arrival and departures. Designed a solution to automate the processes of ETL using Python. Extracted raw Data with Scrapy. Converted the unstructured formats to Excel readable formats for better visualization. Removed anomalies in the Data by using Pandas and NumPy. Summarized the Data into statistical visualization to compare the actual arrival and departure times with NTES displayed arrival and departures.

Python, ScraPy, Pandas, NumPy, Excel, Matplotlib, Sea-born

Achievements

2019 **Chandigarh University** **Merit**

Selected for the College's Elite Batch of Top 40 students out of CSE based on the AMCAT Score for selective prep for campus placements.

2019 **Google Hashcode, Chandigarh University** **Participated**

Ranked 6031st Worldwide in the Google Hash Code 1st Round.

Projects

2018 **Facial Recogniton** **Python, OpenCV**

Built a facial recognition app to recognize the user through facial features and displayed the user name on the identified Image. Utilised Support Vectors Machine, Principal Component Analysis, and K-Fold Cross Validation.

2020 **PM 2.5 Predictor** **ML, Python, Flask**

Built a Flask Web App for forecasting the Particulate Matter 2.5 three hours ahead using various forecasting algorithms like S-ARI-MA and Prophet.