Aditya Kaushal

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

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Links

Github: **adityakaushal**
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Technical Skills

PROFICIENT
C++, Java, Python
HTML, CSS

INTERMEDIATE
Flask, Android, JavaScript

OTHERS
Git, Google Cloud , Microsoft Azure, My SQL, Spark SQL, Mongo DB

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 to predict PM2.5 values 3-5 hours ahead using forecasting algorithms like Facebook Prophet, S-ARI-MA, and Exponential Moving Averages
- Built 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
- 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.
- Technical Skills: 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.
- Technical Skills: Python, ScraPy, Pandas, NumPy, Excel, Matplotlib, Sea-born

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.