Harshit Ahluwalia

Data Scientist, Machine Learning & Python Expert

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📍 **Dehradun, IN**

SUMMARY

2+ months experienced at Acadview as a Subject Matter Expert in Python . 2+ months experience in Acadview as a Trainee for a Machine Learning . very much proficient in algorithm development & machine learning techniques to solve key business problems. Highly skilled in applying advanced machine learning/statistical algorithms such as Gradient Boosted Trees, Random Forests, Ensemble Models, Clustering etc. to real world problems using Python. Looking forward to applying the acquired gamut of skills to a challenging role in the data analytics space.

My main motive is to work or an organisation which improves me the opportunities to improve my skills and knowledge to growth along with the organisation objective

KEY SKILLS

• Data & Quantitative Analysis •
Data Science • Natural Language Processing • Word2Vec , LDA , PCA
• Data Visualisation • Machine Learning Algorithms • Business Intelligence • Data Wrangling •
Optimisation Techniques
• Project Monitoring & Management •

EDUCATION

B.Tech - Computer Science

📅 Aug '16 - Jul '20

Uttaranchal University , Dehradun   Dehradun, IN

I'm a student of Third year fifth semester student
This program is undergoing , till now i've a CGPA as written below:

- CGPA: 9.2/10

INTERNSHIPS

Python Intern

📅 Aug '18 - Oct '18

Acadview   Chandigarh, IN

Acadview is the largest training providing company in India.Basically we are selected as a Subject Matter Expert nPython at Acadview to help student to solve their doubts related to python

Data Science Intern

📅 Present - Present

Analytics Vidhya   Gurugram, IN

It is a new Startup in India for Analytics and provide a good stuffs for Data Science intern. I got a good experience working with those professional colleagues.

PROFESSIONAL EXPERIENCE

Python and Machine Learning - Trainee

📅 May '18 - Jul '18

Acadview   Dehradun, IN

We are chosen as the Trainee in the Acadview (a well reputed company as i know) for 2 months for python. I've learned many new things from this company . It's a wonderful experience for me to

Data Collection
- Gathered pricing data from different aggregators by performing **web scraping in Python** for competitive analysis

Regression Modelling
- Directed **model development, validation, testing** and implementation of analytical products and applications

Data Management & Data Mining
- Deployed advanced **text mining** algorithms to identify search intent latent in individual keywords

Data Cleaning , Mining & Building ML models
- Data of grammar from paragraph given by adzis to build imperative sentence , form fundamental chunks and combination of them to make successful meaning sentences

Data Wrangling & Visualization
- Cleaned, merged and manipulated datasets and conducted **feature engineering using Pandas**
- Created various charts in **Jupyter Notebook** using **Matplotlib** to perform a preliminary

analysis on the collected data

TECHNICAL SKILLS

- **Tools**: Python, PostgreSQL, SQL, Jupyter notebook, MongoDB, pycharm , spyder, Linux
- **Packages:** Scikit-Learn, Numpy, Scipy, Pandas, NLTK, BeautifulSoup, Matplotlib, Statsmodels, Jupyter Notebook,keras,Tensorflow,NLTK
- **Statistics/Machine Learning:** Statistical Analysis, Linear/Logistic Regression, SVM, PCA, Ensemble Trees, Random Forests, Clustering, Graph Theory, Recommenders, Regularisations
- **Natural Language Processing:** Word2vec , treebank

WORKSHOPS 1

Attended the **'Applied AI workshop'** |Online Module| '12

- Gained exposure to the latest best practices in the world of Data Science

WORKSHOP 2

Attended the **'The schoolofAI'** |Dehradun Module| '12

- The workshop was oganised by the Dean of SchoolofAI hosted by Siraj Raval
- Gained exposure to the latest best practices in the world of Data Science

Projects

1. Hand sign Dataset:
- Analyse and compare performance of different machine Learning models . used very standards classifiers using the sklearn library to predict the class of the data .
- Compare the perforamce of the classifiers using the various classification metrics like AUC,F1Score,accuracy_score etc.
- **Link to the Project** :https://github.com/harshitahluwalia7895/MNIST-Signs-dataset

2. Text Editor using tkinter in Python :
- Functions similar to any other plain text editors ,Shows Line Number .
- Shows cursor location at the bottom Open,close,create and edit files
- **Link to the project:**https://github.com/harshitahluwalia7895/Text-Editor-Project-Acadview

3.Restaurant Management System using Python
- Restaurant-Management-System in python(tkinter) GUI based project for college students in python using module tkinter, in this it will make a use of Database to store and retrieve all the bill amounts and we have attached one calculator with it also for making the calaculations.
- **Link to the project**:https://github.com/harshitahluwalia7895/Restaurant-Management-System

4.Speech Recognition

6. Hand Sign Number 1-5 Recognition and Detection using opencv

7.Case Studies Based On Machine Learning:
- **Loan Predictions**
- **Twitter Sentiments Analysis**
- **Github Case Study**
- **Indian Premier League Case Study**
- **Sucides in India**
- **How to Become a Googler**
- **FIFA Case Study**

8. Github Profile Analyser :
- As the name suggests, it analyses the user's GitHub profile.
- After analysing user's github profile, it gives important details about user's repositories such as how many forks, clones have been made on each repository.
- Apart from that, it also shows how many people (unique and total) have visited the user's repos.
- There is another feature which allows the user to have a 2d graph representation of all the details in user's repos.

The project consists of 3 parts.
1. Frontend (done with HTML, CSS and Bootstrap).
2. GitHub API connection.
3. Flask (Python) backend.

CERTIFICATIONS

Python Bootcamp certification | Udemy | June'18
Python Certification Training | Acadview | July'18
Machine Learning Certification Training | Acadview | Aug'**18**