

Devansh Messon

+91 9315811537 | messondevansh@gmail.com | [Github](#) | [Linkedin](#)

EDUCATION

University of Petroleum and Energy Studies, Dehradun
Bachelor of Technology, Computer Science

Expected: June 2022
CGPA: 8.35 / 10.0

New Era Public School, New Delhi

CBSE X (2016): **9.0 / 10.0** CBSE XII (2018): **79.5%**

EXPERIENCE (INTERNSHIP)

1. Alpha AI Ltd. (Sutton, United Kingdom) – *Data Science Intern*

June 2021 - July 2021

- Performed **video analytics** to display and visualize data insights by triggering critical events on custom parameters.
- Performed Vehicle Traffic analysis, Pedestrian Monitoring and Intrusion detection by **object classification and tracking**.
- Visualized **timestamped insights** like Vehicle speed violation, Traffic light jumping, Suspicious person's dwell time and path.
- Tech stack - Python, OpenCV, YOLOv5**

PROJECTS

1. **Integrated E-shopping Application (Prototype of E-shopping application)** | [Source Code](#)

- Recommended the best mobile out of **8000** mobiles by combining collaborative filtering and sentiment analysis.
- Ensured secured payment by encrypting random OTP via RSA algorithm.
- Ensured speedy delivery by improving shortest path computing time from **37 seconds** to **3 milliseconds** in a graph of **1 lakh** nodes and **1 million** edges via Bidirectional dijkstra algorithm.
- Achieved test accuracy of **86%** in determining sentiment of **1000** customer reviews by training Naive-Bayes classifier.
- Tech stack – C++, Machine Learning, Natural Language processing

2. **Stock Market Prediction System (Hackathon 1st runner up)** | [Source Code](#)

- Developed a Tkinter based Graphical user interface which predicts the future stock price of a company.
- Achieved accuracy of **89%** by training a Long Short Term Memory neural network on stock prizes having a **30 years** range.
- Performed Sentimental analysis through vaderSentiment on real-time news headlines fetched through News API.
- Tech stack – Python, Deep learning, Natural Language processing

SKILLS SET

C, C++, Python, SQL, Data Structures, Algorithms, Computer Vision, Tableau, DBMS, OS, Research

HONORS & AWARDS

- Competitive coding:** Accomplished **Rank 1** (Total: 11K) in Cocubes DCT 2021, **Rank 226** (Total: 3.5K) in Codechef Exun 2021-22 Div. 2, **Rank 509** (Total: 4K) in Codechef April Lunchtime 2021 Div. 2, **Rank 626** (Total: 4K) in Codechef October Cook-off 2020 Div. 2, **Rank 3419** (Total: 19K) in Codeforces Round #695 Div. 2, **Rank 4530** (Total: 8K) in Google Kickstart Round D 2020. Solved **400+** problems on Codeforces, Codechef, Leetcode and GeeksforGeeks and Achieved [4 star rating](#) at Codechef(Highest).

- Hackathons:** UPES-CSI Hackathon 4.0 (**First Runner up**), UPES-CSI Hackathon 3.0 (**Finalist**)

Publications:

- ✓ [Published](#) a research paper titled "**Comparative Study of Various Approaches of Dijkstra Algorithm**" (IEEE International Conference, ICCICIS-2021)
- ✓ Achieved **Best paper award** in presenting a research paper titled "**Comparative Study of Time Optimization Algorithms for Travelling Salesman Problem**" (Conference - ICFIRTP-2020, Publication in process)