

Devansh Messon

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Seeking to leverage exemplary analytical and coding skills as a programmer for **Goldman Sachs**.

EDUCATION

University of Petroleum and Energy Studies(UPES)

BTech - CSE (Business Analytics and Optimization), 8.35/10.0 CGPA (till 6th semster)

Dehradun, India

June 2018 - present

New Era Public School (12th)

CBSE board, 79.5% Percentage

New Delhi, India

April 2017 - May 2018

New Era Public School(10th)

CBSE board, 9.0/10.0 CGPA

New Delhi, India

April 2015 - May 2016

WORK EXPERIENCE

1. Data Science Internship | Alpha AI Ltd.

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 | [Source Code](#)

Feb 2021 - May 2021

- Recommended the best mobile phone out of **8000** phones by combining collaborative filtering and sentiment analysis.
- Ensured secured payment via RSA encryption algorithm and ensured speedy delivery via Bidirectional Dijkstra algorithm.
- Improved shortest path computing time from **37** seconds to **3** milliseconds in a graph of **1 lakh** nodes and **1 million** edges.
- Achieved a test accuracy of **86%** in determining sentiment of **1000** customer reviews by training Naive-bayes classifier.
- **Tech stack - C++**

2. Stock Market Prediction System | [Source Code](#)

Jan 2020 - Feb 2020

- 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, Tkinter, sklearn**

ACHIEVEMENTS

- Bagged **2nd** position out of **110** teams in Hackathon 4.0 organized by UPES-CSI student chapter and I got **featured** on my university's official website for this achievement. Project is titled as "Stock Market Prediction System".
- Achieved **4 Star rating** at Codechef.
- Secured **All India Rank 1** in Cocubes Diagnostic Career Test 2021.
- Secured **509 Global Rank** in April Lunchtime 2021 out of 4337 participants.
- Published a research paper titled "Comparative Study of Various Approaches of Dijkstra Algorithm at IEEE International Conference ICCIS-2021. [Click here to view](#)
- Achieved Best paper award in presenting a research paper titled "Performance Analysis of Travelling Salesman Solution Approaches" at ICFIRTP-2020(Publication in process).
- Got selected among top 3 best minor projects in my batch at UPES.
- Solved **350+** problems on Codechef and Codeforces.

SKILLS

- Languages - C, C++, Python
- Database - MySQL
- Softwares - Tableau, Visual paradigm
- Data structures and algorithms, Object-oriented programming
- Data analytics and Data visualization