Devansh Messon

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Seeking to leverage exemplary analytical and coding skills as a programmer.

EDUCATION

University of Petroleum and Energy Studies(UPES)	Dehradun, India
BTech - CSE (Business Analytics and Optimization), 8.35/10.0 CGPA (till 6th semster)	*June 2018 - present*
New Era Public School (12th)	New Delhi, India
CBSE board, 79.5% Percentage	*April 2017 – May 2018*
New Era Public School(10th)	New Delhi, India
CBSE board, 9.0/10.0 CGPA	*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 | <u>Source Code</u>   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 | <u>Source Code</u>   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 **<u>featured</u>** on my university's official website for this achievement.Project is titled as "Stock Market Prediction System".
- Achieved **<u>4 Star rating</u>** at Codechef.
- Secured **All India Rank 1** in Cocubes Diagnostic Career Test 2021.
- Secured **<u>509 Global Rank</u>** 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 ICCCIS-2021. **<u>Click here to view</u>**
- 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