Devansh Messon

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Engaged researcher and analyst having a skill of real-life problem solving through data structures,algorithms and machine learning.

Education

University of Petroleum and Energy Studies(UPES) — Dehradun, India
BTech - CSE (Business Analytics and Optimization), 8.26/10.0 CGPA (till 5th semster) — *June 2018 - present*

New Era Public School (12th) — New Delhi, India
CBSE board, 8.36/10.0 CGPA — *April 2017 – May 2018*

New Era Public School(10th) — New Delhi, India
CBSE board, 9.0/10.0 CGPA — *April 2015 – May 2016*

Internship and Projects

Integrated E-shopping Application | *C++, Data structures and algorithms, Machine Learning* — Feb 2021 – present

- Recommended the best mobile phone out of **10000**+ 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.
- View Project - github.com/devanshmesson/Integrated-E-shopping-application

Stock Market Prediction System | *Python,Machine Learning* — 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.
- View Project - github.com/devanshmesson/Stock-Market-Prediction-System

Internship (2 months) | *Defence Research and Development Organisation(DRDO)* — June 2019 – July 2019

- Developed a basic chemical agent dispersion model by simulating a Gaussian dispersion equation on MATLAB R2018a.
- Visualized the model on any location on the Indian map by fetching latitude and longitude.
- Demonstrated the estimation of the concentration of toxins emitted from various sources by color variance.
- View Project - https://github.com/devanshmesson/Dispersion-Model

Achievements

- Bagged 2^{nd} 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".
- Presented a research paper titled "Comparative Study of Various Approaches of Dijkstra Algorithm at IEEE International Conference ICCCIS-2021(Publication is in process).
- Got selected among top 3 best minor projects in my batch at UPES.
- Secured **626 Global Rank** in October Cook-Off 2020 out of 4494 participants.

Skills

- Experienced - C, C++
- Intermediate - Python, Tableau , MySQL
- Familiar - Java, MATLAB, Embedded C, Cloudera, Hadoop

Competitive Programming Profiles

- Codeforces Profile Link -codeforces.com/profile/zephxr
- Codechef Profile Link -codechef.com/users/zephxr