

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) <i>BTech - CSE (Business Analytics and Optimization), 8.26/10.0 CGPA (till 5th semester)</i>	Dehradun, India June 2018 - present
New Era Public School (12th) <i>CBSE board, 8.36/10.0 CGPA</i>	New Delhi, India April 2017 – May 2018
New Era Public School(10th) <i>CBSE board, 9.0/10.0 CGPA</i>	New Delhi, India April 2015 – May 2016

INTERNSHIP AND PROJECTS

Integrated E-shopping Application <i>C++, Data structures and algorithms, Machine Learning</i>	Feb 2021 – present
<ul style="list-style-type: none">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 <i>Python, Machine Learning</i>	Jan 2020 - Feb 2020
<ul style="list-style-type: none">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) <i>Defence Research and Development Organisation(DRDO)</i>	June 2019 – July 2019
<ul style="list-style-type: none">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 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".
- 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.
- 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/zephrx
- Codechef Profile Link - codechef.com/users/zephrx