

# ROSHAN ASWAL

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## Education

<b>Graphic Era Hill University Dehradun Uttarakhand</b> <i>Bachelor of Technology Computer Science and Engineering</i>	<b>2020 - 2024</b> <i>CGPA - 8.8</i>
<b>Holy Angel Senior Secondary School Dehradun Uttarakhand</b> <i>Senior Secondary</i>	<b>2019 - 2020</b> <i>Percentage - 93%</i>
<b>Holy Angel Senior Secondary School Dehradun Uttarakhand</b> <i>High School</i>	<b>2017 - 2018</b> <i>Percentage - 92%</i>

## Coursework

- Data Structure
- Discrete Mathematics
- Algorithms Analysis
- Operating Systems
- Database Management
- Machine Learning

## Projects

<b>Offensive-Language Detection</b>   <i>Python, NumPy, Seaborn, sklearn, Naive Bayes, HTML, CSS</i>	<b>March 2022</b>
<ul style="list-style-type: none"><li>• Developed a <b>Machine Learning</b> project which can <b>detect any offensive/hate/sexual/racist</b> or any other negative comment by the users.</li><li>• <b>Support Vector</b> classifier is used for the classification of <b>tweets and comments</b> entered by the user.</li><li>• Trained the classification model using dataset over <b>81k+</b> samples and achieved approx. <b>95% accuracy</b>.</li><li>• Developed Web application for the project using <b>HTML, CSS, Flask</b>.</li></ul>	
<b>Stock Prediction</b>   <i>Python, Pandas, Numpy, sklearn, Regression</i>	<b>Jan 2023</b>
<ul style="list-style-type: none"><li>• Developed a <b>Machine Learning Project</b> which helps users to predict <b>stocks</b> using last 50 days stocks.</li><li>• Model trained on <b>1k</b> stock data from 2016 to 2021 using <b>Linear Regression, SVR, and DecisionTree</b>.</li><li>• <b>Matplotlib</b> is used for the data analysis and stock prediction and <b>Numpy and Pandas</b> for data manipulation.</li></ul>	
<b>Trading Software</b>   <i>C++</i>	<b>Dec 2022</b>
<ul style="list-style-type: none"><li>• Developed a <b>C++ Project</b> which helps in Trading of items/products in shops and malls.</li><li>• Object Oriented concepts like <b>encapsulation</b> and <b>abstraction</b> implemented for Customers and Admin.</li><li>• Password <b>authentication</b> is used to allow only admin to access the inventory of products.</li></ul>	
<b>Reshape (3D Game)</b>   <i>Unity, C#</i>	<b>Nov 2021</b>
<ul style="list-style-type: none"><li>• Developed a hyper casual <b>3D cube runner</b> game made with <b>Unity3D</b> using <b>c#</b>.</li><li>• <b>Published</b> game on Google Play and got <b>100+</b> downloads in 1st weeks.</li><li>• Reshape is a fun-to-play game which also helps in <b>increasing user's focus and hand stability</b>.</li></ul>	

## Technical Skills

**Languages:** C++, C, Python, C#, HTML, CSS, SQL

**Developer Tools & Platforms:** VS Code, Git/GitHub, Sublime, Unity, Pycharm, Jupyter Notebook

**Frameworks/Libraries:** Numpy, Pandas, sklearn, Bootstrap, RDBMS

## Achievements

- **600+** problems solved with a daily challenge streak of **365+** days. [Profile](#)
- **Published 3 Games** on Google Play store in 1st year of college. [Games link](#)
- Competed and Globally ranked **1973** in **Google HashCode 2022** (Team - **Actually**). [Certificate](#)
- Secured Global Rank **133** in Starters 54 Division on **Codechef**. [Profile](#)
- Qualified Round 1 in **Google CodeJam 2022**. [Certificate](#)
- Competed in **Global Game Jam 2022** as a team (Team - **Kafal Games**).
- IICC'22 Finalist and All India Rank **216** out of 80k+ participants. [Certificate](#)
- Participated and Ranked **4** in Turbo C++ organised by **ACM** club of Graphic Era University.
- Participated in **ACM International Collegiate Programming Contest (ICPC)**. Team - (**Greedy-only**)

## Soft Skills

Team Player, Disciplined, Hardworking, Punctual, Communicative