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EDUCATION

Degree/ Exam	Institute	Year	CGPA(/10)
B.Tech. in Computer Science and Technology(ML AI)	Graphic Era University, Dehradun	2021 - Present	9.2
12th I.S.C.	Hilton's School, Dehradun	2019-2020	9.1
10th I.C.S.E.	Hilton's School, Dehradun	2017-2018	8.73

WORK HISTORY (PROJECTS)

- **Machine Learning-Based Malware Attack Detection and Mitigation** | *September, 2023 - Present*
  - Designing a machine learning solution for real-time malware detection, to significantly enhance **network security**.
  - Developing a live threat identification dashboard, ensuring prompt response to potential threats.
  - **Collaborating** with cyber-security experts, optimizing model performance to proactively mitigate security breaches.

- **Library Management System** | *Grade : 'A+'* | *July, 2023*
  - Developed a **Flask**-based library management system to streamline book tracking.
  - Integrated **HTML**, **CSS**, and **Bootstrap** framework with **MongoDB** for efficient data management.
  - Reduced manual work, increasing operational efficiency by implementing error-reducing features.
  - https://github.com/Shubhangi509/Library-management-system

- **Basic Image Classification using TensorFlow** | *June, 2023*
  - Resolved image classification problems using TensorFlow, focusing on single-digit recognition.
  - Developed and executed a **neural network** solution using the powerful open-source library, **TensorFlow**.
  - Gained deep insights into TensorFlow fundamentals while tackling complex image recognition challenges.
  - https://github.com/Shubhangi509/Image-Classification-TensorFlow-

- **Face Mask Mask Detection** | *Grade: 'A'* | *April, 2022 - July, 2022*
  - Developed a model for real-time Face mask detection using **Open CV**, building custom datasets.
  - Studied various concepts like **Supervised Learning**, **Viola-Jones Object detection**, **Image preprocessing**, and **Computer Vision**.
  - Utilized libraries like **Matplotlib**, **Sci-Kit learn**, **NumPy**, and **Pandas**.
  - https://github.com/Shubhangi509/Face-mask-Detection

SKILLS

- Software Development: Data Structures, and Algorithms, **Object Oriented Programming(Java)**, ML and AI

- Programming Languages: **Java(Proficient)**, C/C++

- Scripting Languages: **Python**

- Web Technologies: HTML, CSS, JavaScript, Flask, MongoDB

- Tools: TensorFlow, Git, GitHub, Unix/Linux

- Soft Skills: Project Management, Analytical Skills

CERTIFICATIONS

- **Introduction to Artificial Intelligence(AI) (IBM)**

- **Machine Learning: Regression(University of Washington)**

- **AWS Certified Cloud Practitioner**

- **Java as a Second Language Specialization (LearnQuest)**

- **Introduction to Python as a Scripting Language Specialization (Rice University)**

LEADERSHIP AND EXTRA CURRICULARS

- **Vice-Chair, IEEE(Institute of Electrical and Electronic Engineering Graphic Era University Chapter (June/2023 - Present)**: Led innovative initiatives like Kindle and Tech Wizards to foster a vibrant engineering community as a team.

- **Volunteer and Cadet, National Service Scheme (NSS) (June/2023 - Present)**: Demonstrated commitment to community welfare through diverse volunteer projects.

- Anchor and Volunteer at the 2nd International Conference on Innovative Sustainable Computational Technology (CISCT), 2022: Enhanced public speaking and event coordination skills.

- Participated in a Data Science workshop during Cognizance 2023, IIT Roorkee, gaining practical knowledge of Data Science, Machine Learning, Python, Numpy, Pandas, and Matplotlib.