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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Oct, 2021 - Present	B.TECH in Computer Science	Graphic Era Hill University Dehradun	
2021	12th, I.S.C.	St. Joseph's College, Nainital	84.60 %
2019	10th, I.C.S.E.	St. Joseph's College, Nainital	84.20 %

RESEARCH PUBLICATION

- **A Comparative Analysis of IoT Malware Detection Using CNN and Deep Learning -** Developed an efficient algorithm to detect malware in IOT devices. Accepted in the 2nd International Conference on Technological Advancements in Computational Sciences" (ICTACS-2023).

- **Computerized Face Mask Detection Using Deep CNN and Transfer Learning -** Proposed a faster and efficient algorithm to detect face mask in public places. Published in: 2023 International Conference on Device Intelligence, Computing and Communication Technologies, (DICCT).

INTERNSHIPS

- **CV Parsing and Job Role Matching, Insignia Consultancy Solutions (Sept, 2023 - Dec, 2023) :** Crafted and enhanced ML models for resume parsing, aligning with job requirements. Proficient in Python, NLP, data preprocessing, and model optimization. Strong skills in data visualization, model evaluation, and applying ML to resume analysis.

PROJECTS

- **Brain Tumour Detection :** Deep Learning and Neural Network architecture which pre-processes images the dataset using various image processing methods and trains a dataset on transfer learning models and tuning their various parameters till best optimization.

- **Resume Parser and Job Role Classification :** Transforming resume data into valuable insights by crafting and honing machine learning models for resume parsing and alignment with job requisites and classifying resume according to the best fit job category. Proficiently utilizing Python, NLP, and data preprocessing to optimize model performance.

- **8085 Microprocessor simulator :** Developed a Simulator for running the executable that was compiled for 8085 Microprocessor.

- **IOT malware Detection :** Engineered an artificial neural network classifier tailored for detecting malware in IoT devices, enhancing security protocols. Leveraged advanced algorithms to fortify threat detection mechanisms, bolstering IoT cybersecurity. Achieved robust malware recognition through specialized neural network design for IoT environments.

- **Face Mask Detection :** A machine learning architecture which pre-processes images using advanced python libraries and trains a vast dataset on deep learning models, then further trained on the various optimizers of the model with best accuracy.

- **Image Classfication** Classification of various celebrity images, scrapped from all over the internet and pre-processed using haarcascade and wavelet transform, with the help of conventional machine learning approach which had frontend interface linked trough Flask API.

TECHNICAL SKILLS

- **Languages Python** (proficient), **C** (proficient), **C++** (proficient), **SQL**, **Java**.

- **Data Structures and Algorithms**

- **Tools and Frameworks** MATLAB, Django, Flask, Gitlab, Github LaTeX

- **Machine Learning Tools** Tensorflow, Keras, scikit-learn, NLP.

CERTIFICATIONS

- 2nd Place in Poetry Competiton, IIT Mandi.
- Data Science Orientation by IBM
- Tools for Data Science by IBM
- What is Data Science
- Data Science Foundations
- Alibaba Cloud AI Forward