Vaibhav Singh Thapli

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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
2022 - Present	Master's in Computer Application	Graphic Era University Dehradun	7.26/10
2016 - 2019	B.Sc. in Information Technology	D.A.V PG College Dehradun	61.29

Research

- **Title -** DDCMR2: A Deep Detection and Classification Model with Resizing and Rescaling for Plant Disease.

- **Supervisor -** Dr. Aditya Joshi

- **Description -** Developed an AI model for detecting plant leaf diseases in farms using Python board and Tensorflow framework. We can use it as a mobile App or web-based page. Accepted in AITA 2023 Paper ID: 393, held on August 11-12, 2023 at IBS.

Experience

- **Cerina**(Freelance)

  1: Suicidal Thoughts Detection (Sept 2023 - Sept 2023): Developed an AI model to detect any potential self-harm or suicidal thoughts from any paragraph of text and flag it with an accuracy of 90%.

- **Ineuron**(Data Scientist Intern)
  Sept 2020 - Sept 2021

  1. face-Mask–detection:-(July 2021 - Aug 2021): Developed a model from scratch(on the custom dataset) to detect, whether people, are wearing masks or not in real-time, with an accuracy of 99%.

  2: Churn prediction (Feb 2021 - Feb 2021): Developed an ML model to check whether the client will unsubscribe from the services. So the company can update its services according to the needs of clients.

  3: Analyzing Amazon Sales data (Sept 2020 - Sept 2020): Sales management has gained importance to meet increasing competition and the need for improved distribution to reduce costs and increase profits.

- **Scholar** (Data Entry Specialist)
  Jul 2016 - Apr 2019
  I worked here Part-Time. It is our college shop. My role here was filing Admission forms and managing Excel Sheets.

- **SnExports** (General Employee)
  Jul 2015 - Feb 2016
  I worked here for 8 Months as a Full-time Employee, to arrange my first-year College Admission Fee. My work here was cleaning and packaging other Ancient movie props like weapons and clothes.

PROJECTS

- **Message toxicity** (Sept 2023 - Sept 2023): Developed a multi-headed model capable of detecting different types of toxicity like threats, obscenity, insults, and identity-based hate better than Perspective's current models in our messages.

- **Plant Disease Recognition** (Nov 2022 - Dec 2022): Developed an artificial neural network. DDCMR2: A Deep Detection and Classification Model with Resizing and Rescaling for Plant Disease was trained and tested using a Plant-village dataset giving 97%

- **Spot Nuclei Speed Cures** (Oct 2021 - Oct 2021): Developed an algorithm to automate nucleus detection, with an accuracy of 95%.

- **Sentimental analysis** (Jun 2021 - Jun 2021): We will train our LSTM model with positive and negative comments about movies. First, we will make comments available for the LSTM model. After training our model, we will examine the accuracy and loss values on the chart.

- **Credit card fraud** (Jan 2021 - Jan 2021): An ML Model used by credit card companies to recognize fraudulent credit card transactions so that customers are not charged for items they did not purchase.

TECHNICAL SKILLS

- **Languages: Python** (proficient), **C++**, **R**, **HTML**, **CSS**
- **DBMS Tools:** MySQL, Oracle SQL, MongoDB
- **Tools and Frameworks:** Aws, Microsoft Azure, PowerBI, Tableau, Excel, Git, and Git LFS
- **Machine Learning Tools and Libraries:** Tensorflow, Keras, Pytorch, NLTK, Scikit-Learn, Pandas, Matplotlib, Seaborn, Scikit-Learn, Numpy, OpenCV, Keras, Tensorflow, LabelImg, Label Studio, Make Sence, Pixler, Polar

Professional Certificates

- Full Stack Data Science**Ineuron**
- Data Science, Machine Learning and AI using Python **Dexlab Analytics**
- SQL for Data Science **University of California**