

MEHUL VERMA



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BCA graduate from CHRIST University, pursuing an MSc in Computing (AI) at Dublin City University, eager about leveraging technology to deliver impactful results in IT and software development.

EDUCATION

Masters in Computing (Artificial Intelligence), DCU	Sept 2024 – Present
Bachelor of Computer Applications , CHRIST (Deemed to be university)	Aug 2021 – Aug 2024
XII(CBSE) Manav Sthali School	May 2019 – Apr 2021

SKILLS

Technical Skills	C, C++, Python, Java, Artificial Intelligence, Data Science
Soft Skills	Multitasking, Problem-Solving, Teamwork, Co-ordination

RELEVANT EXPERIENCE

Machine Learning Intern (Internship) Aphelia Innovations <ul style="list-style-type: none">Identified numerous key issues and 2 primary objectives while establishing goals.Evaluated 10+ machine learning libraries and frameworks (e.g., Scikit-learn, TensorFlow, PyTorch) based on performance, scalability, and community support to identify the most suitable options for model development.Cleaned and pre-processed 10+ years of historical stock data (~500,000+ entries) and 20,000+ financial news articles to support time-series and NLP model development.	Dec 2023 - Apr 2024 Delhi, India
Back-end Web Developer CodersBake <ul style="list-style-type: none">Revamped website layouts to notably improve user navigation and elevate visual appeal, resulting in enhanced user experience and engagement.Transformed user requirements into project designs and implementation plans.Overhauled ReactJS landing pages to ensure smooth functionality across a wide range of browsers.	Jun 2022 - May 2023 Ghaziabad, India
IT Technical Operations Lead (Internship) Upedian <ul style="list-style-type: none">Designed and built the company's website from the ground up.Liaising with 10 team members and the 3 management to ensure that the project leads to success.Encouraging open communication while inspiring team members to stay engaged and motivated.	Mar 2023 - May 2023 Ghaziabad, India
Volunteer work (social media and Graphic Designer) Hapiness Exchange - NGO <ul style="list-style-type: none">Produced creative social media assets, including posters and banners, to boost engagement.Built 2 web design options and 7 content ideas for the NGO's online presence.	Dec 2023 - Feb 2024 Noida, India

PROJECTS

AI-Driven Snake Game

Dec 2024 -
May 2025

- Designed and developed a Python-based Snake Game with an AI integration to automate gameplay.
- Developed game mechanics using pygame, including grid-based movement, collision detection, and score tracking.
- Created a pathfinding AI using A* algorithm to enable the snake to locate and consume food optimally.
- Experimenting with Reinforcement Learning (DQN) for advanced AI behavior, training the agent to optimize survival and maximize score.
- Enhanced the game with animations, scalable difficulty levels, and a user-friendly interface.

Plant AI

Jul 2022 -
Mar 2023

- Built an image classifier using the Plant Disease Dataset from Kaggle, leveraging the PyTorch framework for implementation.
- Implemented a Convolutional Neural Network (CNN) and applied transfer learning using the ResNet34 pretrained model to classify 38 classes of plant leaves.
- Achieved 98% accuracy in detecting diseased and healthy leaves across 14 unique plant species.

Chrome Startup Page

Sept 2021 -
May 2022

- Redesigned and enhanced the Chrome startup page, incorporating macros for quick access to frequently used websites like GitHub, YouTube, among others while maintaining the traditional search functionality.
- Integrated redirects for websites not included in the macros, improving user navigation and overall efficiency.
- Focused on creating a visually appealing and user-friendly interface to enhance the browsing experience.

CERTIFICATIONS

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| • Certification of "FIRST LEGO League Judge" | Feb 2025 |
| • Certified Google Analytics Individual Qualification | Aug 2023 – Aug 2026 |
| • Certification of Workshop in IOT | March 2023 |
| • Certification of "Programming in Python" | Feb 2023 |

EXTRA CURRICULAR ACTIVITIES

- Judged two FIRST LEGO League at DCU St Patrick's Campus – Mar 2025.
- Won the "Innovative Project" title in First Lego League held at DCU – Sept 2024.
- Participation certificate for HACKVSIT 5.0, organized at VIPS, India – Apr 2024.
- Instrumental in Annual Athletic Meet at CHRIST (Deemed to be University) – Apr 2023.
- Directed the preparation and execution of events for Teacher's Day – Sept 2022.