MEHUL VERMA

mehulverma04@gmail.com   www.linkedin.com/in/mehulverma26

https://mehulverma.netlify.app/;   https://github.com/mehulverma26

(+91) 8587941431

SUMMARY

Technically proficient with a strong foundation in machine learning, back-end development, and UI enhancement. Holds a **Master's degree in Computing (Artificial Intelligence) from Dublin City University, Ireland**, and a **Bachelor's degree in Computer Applications from CHRIST University, India**. Experienced in data preprocessing, reinforcement learning, CNNs, and ReactJS, with strengths in leadership, design, and stakeholder coordination.

SKILLS

Technical Skills	C, C++, Python, React, Java, Artificial Intelligence, Data Science
Frameworks/Tools	Git, SQL, PyTorch, TensorFlow, ReactJS
Soft Skills	Multitasking, Statistical Analysis, Teamwork, Good Communication

EDUCATION

M.Sc. in Computing (Artificial Intelligence), Dublin City University, Ireland	Sep 24 - Aug 25
Bachelor of Computer Applications, CHRIST (Deemed to be University), India	Aug 21- Jun 24
XII (CBSE), Manav Sthali School, India	Apr 20 - Mar 21

EXPERIENCE

Machine Learning Intern (Internship)
Aphelia Innovations, New Delhi, India   **Dec 2023 – Apr 2024**

- Conducted a comprehensive analysis to identify numerous critical issues and established two primary objectives during the goal-setting phase.
- Assessed over 10 machine learning libraries and frameworks—including Scikit-learn, TensorFlow, and PyTorch—evaluating the performance, scalability, and community support to determine the most suitable tools for model development.
- Processed and cleaned more than a decade of historical stock data (~500,000 entries) along with over 20,000 financial news articles to facilitate the development of time-series and natural language processing models.

Back-end Web Developer (Internship)
CodersBake, Ghaziabad, India   **Jun 2022 – May 2023**

- Optimized website layouts to improve navigation flow and visual aesthetics, enhancing overall user experience and boosting user engagement.
- Translated user requirements into actionable project designs and execution plans, bridging stakeholder needs and development workflows.
- Revamped ReactJS-based landing pages to deliver seamless cross-browser compatibility and consistent functionality across diverse platforms.

IT Technical Operations Lead (Internship)
Upedian, Ghaziabad, India   **Mar 2023 – May 2023**

- Pioneered the company website from scratch, designing and developing a scalable, polished platform that established the brand's digital presence.
- Coordinated workstreams across 10 team members and 3 leadership stakeholders, aligning priorities and maintaining momentum toward project milestones.
- Fostered open communication and team engagement, motivating contributors and sustaining high morale throughout the development lifecycle.

PROJECTS

Chatbot in R **Jul 2025**

In collaboration with St. James's Hospital at Dublin, Ireland, a clinician-facing chatbot was developed to simplify access to heart failure (HF) data in electronic patient records. Built using R Shiny and aligned with data governance policies, the tool supports natural language queries for both individual and cohort-level analysis. The system features rule-based query interpretation, visual outputs, user authentication, and clinical safety measures. Developed using Agile methodology, and validated with synthetic data and clinician feedback. A lightweight local large language model (Mistral) is currently being integrated to enhance functionality while preserving data privacy.

Chrome Start-up Page **Jul 2023**

Engineered a revamped Chrome startup page featuring custom macros for streamlined access to frequent sites (e.g., GitHub, YouTube), built-in redirects for uncategorized URLs, and a polished, user-first interface designed to boost navigation speed and visual engagement.

Plant AI **Apr 2023**

Designed and implemented a PyTorch-based image classifier using transfer-learned ResNet-34 on the PlantVillage dataset (38 classes), achieving ~98% accuracy in distinguishing diseased versus healthy plant leaves across 14 species.

CERTIFICATIONS

- Certification for "Oracle AI Vector Search"   Oct, 2025 – Oct, 2027
- Certification for "Data Science & Analytics"   July, 2025
- Certification for "Introduction of Modern AI"   July, 2025
- Certification for "FIRST LEGO League Judge"   Feb, 2025
- Certified Google Analytics Individual Qualification   Aug, 2023 – Aug, 2026
- Certification for Workshop in IOT   Mar, 2023
- Certification for "Programming in Python"   Feb, 2023

EXTRA CURRICULAR ACTIVITIES

- **Judged two** FIRST LEGO Leagues at DCU St Patrick's Campus, Ireland.   Mar 2025
- **Won the "Innovative Project"** title in First Lego League held at DCU, Ireland.   Sept 2024
- **Won the "Core Value"** title in the First Lego League held at DCU, Ireland.   Mar 2025
- Participation certificate for HACKVSIT 5.0, organized at VIPS, India.   Apr 2024

PERSONAL DETAILS

- **Date of Birth**   26th May, 2004
- **Current Location**   New Delhi, India