

# AMAN VISHWAKARMA

Mumbai, Maharashtra

☎ +91-7021599617

✉ amansharma1729ds@gmail.com

🌐 amanvishds

🔗 Aman-Vishwakarma1729

## EDUCATION

Vellore Institute of Technology

*MSc.Data Science*

07 2023 – 07 2025

*Chennai, India*

Mumbai University

*Bsc.Mathematics - 9.24 - CGPA*

08 2019 – 05 2022

*Mumbai, India*

## COURSEWORK / SKILLS

- |               |                 |                             |                               |
|---------------|-----------------|-----------------------------|-------------------------------|
| • Mathematics | • Pandas        | • Jira                      | • Computer Vision             |
| • Statistics  | • Numpy         | • Feature Engineering       | • Natural Language Processing |
| • Python      | • Sci-kit learn | • Exploratory Data Analysis | • Artificial Intelligence     |
| • SQL         | • Tensorflow    | • Machine Learning          | • Web scrapping               |
| • MongoDB     | • PowerBI       | • Time Series               | • GitHub                      |
| • R           | • Roboflow      | • Deep Learning             | • Docker                      |

## PROJECTS

**Crop classification and crop disease detection** | Python, Tensorflow, Image-Net, YOLOv8, Roboflow

- Developed models using **Image-Net** for crop classification and **YOLOv8** for leaf disease detection.
- Streamlined dataset preparation using **Roboflow** and seamlessly integrated both models for comprehensive crop classification and disease detection from input images.

**PDFy:Chat with your PDF** | Python, Langchain, HuggingFace, OpenAI

- Developed an **NLP**-based model enabling dynamic conversation with PDFs of specified sizes, combining **PDF text extraction**, efficient **text chunking**, and integrated language model for context-aware responses.
- Engineered a streamlined user interface using **Streamlit**, enhancing accessibility to PDFs, and implemented a sophisticated similarity matching system for semantically relevant information retrieval through embeddings.

## INTERNSHIP

Physics Wallah Pvt Ltd.

*Data Science Intern*

07 2023 – 01 2024

- Led the development of a holistic BMI prediction solution, integrating deep computer vision, modular workflows, and data scraping techniques for facial images, demonstrating expertise in Python, TensorFlow, Flask, and web scraping.
- Orchestrated a seamless end-to-end workflow, encompassing data scraping, image processing, and BMI prediction, with streamlined CI-CD deployment on AWS using GitHub Actions and Amazon ECR, highlighting skills in version control, containerization, and cloud technologies.

## EXTRACURRICULAR

NSS (National Service Scheme)

*Volunteer*

09 2019 - 05 2020

*Mumbai*

- Engaged in diverse community service initiatives, ranging from tree planting and road cleaning to coordinating blood donation drives. Actively volunteered to teach underprivileged children, demonstrating strong leadership, social responsibility, and a dedicated commitment to enhancing lives.

## CERTIFICATIONS and ACHIEVEMENTS

- |  |                                  |
|--|----------------------------------|
| • Master Data Science certification - PW skills      | • Google Analytics Certification |
| • Secured first place in DATA-THON during Techno-VIT | • PowerBI certification - Udemy  |
| • Python - Codechef                                  | • Makeathon - Open Weaver        |
| • Azure AI Document Intelligence - Microsoft         |                                  |