

# Ayush Dongardive

ayushdongardive3409@gmail.com | 7559268257 | [LinkedIn](#) | [GitHub](#)

## EDUCATION

Pimpri Chinchwad College of Engineering

January 2021 - June 2025

Bachelor's of Technology, Computer Science and Engineering (AiML)

Pune

## EXPERIENCE

Researcher

December 2023 – February 2024

PCCOE, Pune

- Led a team to win the **Best Paper Award** at ERCICAM-2024 in Bangalore for research on 'Intelligent Application for Dog Breed Identification' with an impressive **98% accuracy**.

Machine Learning Intern

August 2023 - September 2023

Bharat Intern

- Implemented ML models to extract insights from preprocessed data, increasing decision-making **efficiency by 20%**.
- Preprocessed a vast company dataset, ensuring data quality and integrity for accurate analysis, leading to a **25% improvement** in model performance and predictive accuracy.
- Evaluated extensive data sets and presented actionable insights to stakeholders, leading to a streamlined workflow that **increased project efficiency by 30%** and **reduced project timelines by 7%**

Junior Engineer

April 2023 – June 2023

Team Solarium

- Contributed to data quality, boosting model performance and predictive **accuracy by 21%**.
- Designed and engineered solar vehicles, **increasing energy efficiency by 13%** and reducing overall weight by 5%.
- Automated the **team's first solar car project**, gaining experience in vehicle mechanics and product design.
- Enhanced **project efficiency by 15%** through optimized resource allocation and targeted process improvements

## PROJECTS

Multiple Disease Prediction System

- Developed a robust prediction system identifying diseases, including heart disease, Parkinson's disease, and diabetes, based on user input data, achieving **85% accuracy**.
- Achieved high accuracy with an average **prediction rate of 92%**, ensuring reliable results for users.
- Enhanced model **performance by 28%** through iterative testing and validation.
- Tech Stack:** Python, Machine Learning Algorithms, Data Mining Techniques.

Dog Breed Identification Using Deep Learning

- Achieved **95% accuracy** in identifying over 150 dog breeds using deep learning techniques.
- Trained the model on a dataset of **10,222 images**. Analyzed data augmentation techniques to **enhance model robustness**.
- Tech Stack:** Neural Networks, CNNs, Python, TensorFlow.
- GitHub Repository:** [\[Link\]](#)

## TECHNICAL SKILLS

**Programming Languages :** Python, Javascript, C/C++

**Machine Learning & NLP Frameworks :** TensorFlow, PyTorch, Scikit-learn, Hugging Face, Transformers, NLTK, Gensim, spaCy, NumPy, Pandas, Matplotlib, Seaborn, Keras, Pytorch Lightning.

**Web Development Frameworks :** Flask, Django, Streamlit, Fast API, HTML/CSS/NodeJS.

**Databases :** MySQL, PostgreSQL, MongoDB.

**DevOps and MLOps :** Git, Docker, Kubernetes, CI/CD pipelines (Jenkins, GitLab CI/CD), AWS (Amazon Web Services), GCP (Google Cloud Platform), Azure.

**IDEs :** Visual Studio Code, Atom, PyCharm, Google Colab, Jupyter Notebook.

## LEADERSHIP / EXTRA-CURRICULAR

E-Cell, IIT Bombay

Campus Ambassador

- Facilitated interactions and teamwork, organizing 3 successful events and increasing student **participation by 40%**.
- Coordinated with industry leaders to deliver guest lectures, **increasing peer learning satisfaction by 25%**.

Qualified for round 2 of **Hack-On with Amazon S3**.