

# Dharma Pravardhana V

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 [Portfolio](#)

 [Github](#)

## Education

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**Amrita Vishwa Vidyapeetham**

Bachelor Of Technology, Computer Science & Engineering | CGPA: 8.27

**September 2021 - Present**

Coimbatore, India

## Technical Skills

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**Areas of Interest:** Web Development , App Development ,Competitive Programming

**Languages and Frameworks:** C, C++, Python, Java, MySQL, SQLite , JS, Dart, HTML5, CSS3, Flask , Flutter

## Projects

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**TalkHub | *Flutter, Firebase* | [Github Link](#)**

- A Flutter-powered app for seamless group communication with user-friendly interface and real-time messaging using Firebase backend.
- Enjoy secure data storage and instant messaging in groups with this Flutter app

**Language Translation ChatBot using AI | *Python, OpenAI API, Streamlit, Langchain* | [Github Link](#)**

- Developed an AI-powered Speech Sync Chatbot for real-time synchronization.speech-to-text, text-to-speech,contextual understanding, and multilingual support.

**Crop yield prediction using Linear Regression | *Machine Learning, Python-Flask, Pickle* | [Github Link](#)**

- Utilizes Machine Learning and historical climate data to predict crop yields accurately.
- Enhance agricultural planning using a user-friendly web interface, powered by Linear Regression.

## Experience

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**Telesto- Ai & Analytics**

**June 2023- August 2023**

- Optimization of code involving data analysis, and Machine learning models.
- Extensive experience specializing in optimizing the execution time of machine learning models.
- Significantly optimized model execution time, reducing it from 16 hours to just 1 hour.

**Research Intern @ *MulticoreWare India Private Limited***

**August 2023- Present**

- Working with a team of 8 on a supervised *DL Model* for human fall detection using LiDAR sensor.
- Created Datasets that had 30+ possible situations using LiDAR sensors for predicting a Fall.

## Achievements and Certifications

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**Code-Bot Competition**

- Secured the Special Mention award with participation from 40+ teams. Developed a shopping assistant using LLM,API's and Streamlit during a 2-day hackathon.

**Avishkar**

- Presented Language Translation Chatbot using AI algorithms in Avishkar (Tech Fair conducted by Amrita School of Computing and received appreciation and suggestions from the principal

**Supervised Machine Learning | *Coursera* | [Certificate Link](#)**