

# Dharma Pravardhana V

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 [Portfolio](#)

 [Github](#)

## Education

**Amrita Vishwa Vidyapeetham**

Bachelor Of Technology, Computer Science & Engineering | CGPA: 8.11

**September 2021 - Present**

Coimbatore, India

## Experience

**Research Intern @ MulticoreWare India Private Limited**

**August 2023- January 2024**

- Generated diverse datasets comprising 30+ scenarios utilizing LiDAR sensors for fall detection.
- Worked with a team of 8 on a supervised *DL Model* for human fall detection using LiDAR sensor.

**Project Intern @ 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.

## Projects

**Anokha 2024 | Flutter, Dart, NodeJS, PayU, API | (1k+ downloads) [Play Store Link](#)**

- Collaborated with a 5-member team to build a full-stack user-centric app for event registration in our college's Techfest Anokha 2024, employing Flutter for an engaging frontend and handling payments with PayU.
- Orchestrated backend-to-frontend connectivity via APIs, optimizing server requests by 30% through caching, and introduced QR code-based registration, streamlining tracking and enhancing efficiency.

**SIH - PGRKAM Enhancement** (Punjab Government Employment Website) | [Github Link](#)

- **AI Implementation:** Developed an AI chatbot, reducing data retrieval time by 30%.
- **User-Centric Platform:** Improved user profiles by 20% through multilingual support and resume analysis, achieving a 30% increase in operational efficiency.
- **Mobile App Integration:** Introduced a Flutter-based app for enhanced accessibility and user engagement.

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

- Engineered an AI-driven Speech Sync Chatbot with real-time synchronization, incorporating speech-to-text, text-to-speech, contextual understanding, and multilingual support.

## Technical Skills

**Areas of Interest:** Web Development , App Development , Full Stack Development

**Languages and Frameworks:** C, C++, Python, Java, MySQL, SQLite , MongoDB, JS, Dart, HTML5, CSS3, Flask , Flutter, Node.js, Express JS, Haskell, Go, Scala

**Tools and Technologies:** Git, Linux, Firebase, Figma, RaspberryPi, Eclipse, Visual Studio, AWS EC2, Azure VM

## Publications

**Fall Detection for Elderly People using LiDAR Sensor** (Accepted in 2024 3rd IEEE International Conference on Artificial Intelligence for Internet of Things-Vellore Institute of Technology, Vellore)