

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 | [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)