

# Priyadharshini V

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| [Portfolio](#) | [GitHub](#) | [Linkedin](#) | [Twitter](#) |

Postgraduate Physics student with diverse experience in astronomical research and analysis, open-source AI software projects, and insurance consulting. hands-on expertise in telescope operations and spectroscopic data reduction. Working knowledge in Python and open source software technologies, LLM and Gen AI with Strong problem-solving and client management skills, blending technical knowledge with real-world application.

## EDUCATION :

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### Govt. Arts And Science College For Women, Bargur

Bsc Physics, 2020-2023

CGPA : 7.3

### Dr. NGP Arts And Science College, Coimbatore

Msc Physics, 2023-2025

CGPA : 7.8

## EXPERIENCE :

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### Indian Institute Of Astrophysics, Vainu Bappu Observatory, Kavalur :

Jun 2024 – July 2024

#### Research Intern

- Gained hands-on experience with the mechanism of telescopes and the process of observing celestial objects.
- Conducted spectroscopic data reduction using PYRAF software. Utilized tools like IRAF and ds9 for data analysis and image processing

### OX-AI | Open-Source startup :

Apr 2023 – Present

#### Research Assistant

- **OX-AI ( OriginX )** is an open-source startup with the goal to do research, build and develop AI Projects focused on native local machine friendly and to run with low specs and (0\$ cost) and also with low computation cost.
- I have acquired knowledge on developing python library framework, encompassing full-stack components, server, API, web, building LLM integrated Applications and fundamentals of software development

### The new india assurance company :

Apr 2022 – Present

#### Insurance Consultant

- Specialized in general insurance, with a focus on motor insurance policies. Assisted clients in selecting appropriate motor insurance coverage, providing tailored advice based on their needs.
- I have pitched suitable insurance options for business and individuals, Managed policy issuance, renewals and claims processing to ensure client satisfaction and compliance with regulatory requirements
- Developed a strong understanding of insurance products and industry regulations.

## PROJECTS :

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### research-assist ( local AI Research Assistant ) [\[Github\]](#) :

- **"research-assist"** is a local, offline AI research assistant built using **x-act**, **Ollama**, **ChromaDB**, and **Streamlit**. It's designed to primarily assist **students** with their **research and study**.
- **RAG (Retrieval Augmented Generation) capabilities:** Enables the model to query and understand relevant information from PDF documents.
- **ChatGPT-like interaction:** Allows users to chat with the open source LLM models, asking questions and receiving informative responses.
- **Offline functionality:** Operates entirely on a local system, eliminating the need for an internet connection.
- **Zero-cost:** No subscription or cloud costs are involved.

## SKILLS AND TECHNOLOGIES :

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- Negotiation, Marketing, client management
- Basic Python and scientific python packages and applications
- Ollama, ChromaDB, Streamlit
- GitHub, Linux, Windows,