

AMRUTHA PAALATHARA

Data Science Graduate

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Aspiring data analyst with a passion for working with data to find useful insights. Experienced in data analysis, visualization, and machine learning, with hands-on projects with time series analysis and project management. Eager to learn new technologies and contribute to business growth through data-driven solutions.

SKILLS



PROJECTS

Analysis of Electronic Waste Recycling

Oct 2024

Major Learning:

- Learned about various visualization tools available in **Power BI**.
- Understood the purpose of using **Power Query** for data cleaning.

Methodology:

- Used Power BI Desktop to visualize the data.
- Collected the dataset from the UN SDG website.

Results:

- Developed regions like Europe showed high recycling rates in 2020 and 2021.
- Some developing countries had unexpectedly high recycling rates.
- Most countries kept recycling rates stable with only small changes.
- Some regions maintained high recycling rates despite global shutdowns.



BuildR - Project Management Tool

Aug 2024 - Oct 2024

Major Learning:

- Learned how to use **Django** to build a complete **web application**.
- Understood how to plan a database for a web application.
- Learned how to set up user authentication with role-based access control.

Methodology:

- Used **Django** web development framework to build the application.
- Implemented data science techniques for personalized user dashboards.
- Planned and set up the database structure for the app.
- Set up **Google user authentication** and role-based access control across the app.

Results

- Built a web app that improves individual productivity and **predicts task completion**.
- Created **interactive dashboards** for users based on their tasks and progress.
- Developed a system to detect team morale based on their activities.
- Ensured secure user access with role-based controls across the web app.



Lost and Found Project

April 2023 - June 2023

Major Learning:

- Learned to use **Django** to build a web app.
- Gained experience in **setting up file uploads and handling images**.

Methodology:

- Used **Django** to create the app.
- Allowed users to upload photos and details of found items.
- Built a system for reporting and retrieving lost items.

Results:

- Created a website to help students retrieve their lost items within the campus premises.
- Let users upload pictures and details of found items.



EDUCATION

Master of Science in Data Science

2023 - Present

CHRIST (Deemed to be University), Lavasa, Pune

Percentage - 66.43%

Bachelor of Science in Mathematics

2020 - 2023

Assumption (Autonomous) College, Changanassery

Percentage - 86.06

INTERNSHIP

iDATALYTICS | Data Science Intern

May 2023 - Aug 2023

Infopark, Kochi

Major Outcomes:

Learned the basics of **Python**, the **Matplotlib library**, and an introduction to **machine learning** concepts. This program gave me confidence and curiosity about analyzing and understanding data and to proceed with a Master of Science in Data Science.

Major Learnings:

- Gained experience using Python for data science.
- Worked on cleaning, organizing, and showing data.
- Learned the basics of machine learning.

CHRIST Infotech | AI Project Intern

Feb 2025 - Present

Lavasa, Pune

Major Outcomes:

- Created a **chatbot** using **LLaMA 3 models**.
- Used LLaMA 3 models to extract text from documents.
- Built the front end using **React.js**.

Major Learnings:

- Learned the **basics of LLaMA 3 models and React.js**.
- Worked with different Ollama models and GPT-4.0.
- Used LLaMA 3 models for both chatbots and text extraction.
- Gained experience in building a frontend with React.js.

CERTIFICATES

- First place, 2024-2025 Hackverse Hackathon , CHRIST University, Lavasa creating an innnovating project called Skinalyze.
- Participated in the CHRIST University Lavasa Hackathon 2023-2024, collaborating on innovative solutions.

LANGUAGES

- English
- Hindi
- Malayalam
- Tamil

DECLARATION

I declare that the details mentioned above are correct and true to the best of my knowledge.

Amrutha

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