Raina Elfreda Rego

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A data-driven Software Engineering Student with a strong passion for Data Science and Development. I've gained practical experience through my projects and internships, focusing on Machine Learning and Application Development.
Programming Languages: Python, FastAPI, Machine Learning, HTML and CSS.

WORK EXPERIENCE

Software Engineering Intern – **CIA Labs, Bangalore, Karnataka**   01/2024- 04/2024(12 weeks)

- **Laundry Scheduler** – **Python, FastAPI** (https://github.com/raina1806/Laundry-Scheduler-Backend)
  - Aims to optimize the usage of washing machines in co-living spaces.
  - Allows users to add themselves to a queue and dequeue when a washing machine is available.
  - Utilizes user information to assign available slots, eliminating overlap and ensuring sufficient machine availability while reducing average wait time from 30 minutes to 10 minutes.

PROJECTS

- **News Sentiment Analysis - Python, Flask, HTML, CSS** (https://github.com/raina1806/Newsentify)

  Newsentify is an AI-powered news aggregator using NewsAPI to fetch and categorize articles by keywords. It integrates TextBlob for sentiment analysis and NLP for dynamic text summarization, offering customizable filters and real-time sentiment insights.

- **Song Recommendation Chatbot -Python,HTML, CSS, Flask, SpotifyAPI** (https://github.com/raina1806/Beat-Bot)
  Beat Bot is a Flask-based chatbot integrated with the Spotify API to recommend songs and playlists based on user moods or genres. Implemented real-time communication using Socket.IO for seamless interaction. Focused on enhancing user experience through dynamic, personalized music suggestions.

LEADERSHIP EXPERIENCE

Vice President – **Rotaract Club, Atria Institute of Technology**   09/2024 - Present

- Successfully organized a hackathon with over 250 participants and 4+ speakers from major companies, significantly enhancing the community's engagement and learning.
- Co-organized a blood donation drive for thalassemic children in collaboration with Sankalp India Foundation, successfully concluding the event with over 100 donors.

EDUCATION

Atria Institute of Technology (VTU) / *B.E Computer Science with Data Science* / Bangalore, Karnataka
11/2022 - 11/2026 (pursuing 3rd year)
- **CGPA**: 9.1 (till 4th sem)
- **Relevant Coursework**: Data Structure and Algorithms, Python, Project Management with GIT, Theory of Computations, Software Engineering, Research Methodology, Data Visualization.

The Frank Anthony Public School / Bangalore, Karnataka
06/2009 – 03/2022
- **10th ICSE (2020)** : 91%
- **12th ISE (2022)** : 90%

CERTIFICATIONS

- **NPTEL(07/2024- 09/2024) :** Data Science for Engineers (8 weeks) – 75%
- **NPTEL(01/2024- 02/2024) :** Python for Data Science (4 weeks) – 89%
- **NPTEL(07/2023-10/2023) :** Joy of Computing using Python (12 weeks) - 83%
- **Google Cloud Study Jam(10/2023) :** Gen AI and Google Cloud Computing Foundations (4 weeks) – Completed