

PAVAN SANNAIK

DATA SCIENTIST

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SUMMARY

Master's in Data Science with a Computer Science background and hands-on experience turning raw data into actionable insights. Passionate about statistics, hypothesis-driven analysis, and building end-to-end data products (from t-tests and visualizations to recommendation engines and RAG chatbots). Skilled in Python, ML modeling and ready to drive data-backed decisions in your organization.

SKILLS

Technical Skills			Soft Skills	
Python Programming	Big Data Analytics	Data Wrangling	Time Management	Well Organized
Machine Learning	Data Visualization	Statistical Analysis	Collaboration & Teamwork	Adaptive Learner

PROJECTS

One Sample T-Test Analysis

- As a Team Leader, created a Python program that compared group data with a fixed average using t-test.
- Used graphs to show results of t-test along with key details such as average, p-value, etc. for easy understanding.

Single and Multi Agent Tic-Tac-Toe

- Built Q-learning agents using Python to learn Tic-Tac-Toe for single and multi agent.
- Added Key parameter tuning and plotting results to showcase the final result.

Movie Recommendation System

- Worked as the Project Manager and developed a Flask web application that recommends movies to user by title or genre using Python, Pandas and scikit-learn' cosine similarity.
- Combined movie features by filtering and served results as a JSON API.

RAG PDF-Chatbot

- Collaborated with a team of 4 and developed a FastAPI app for PDF-based Q&A using LangChain and Chroma.
- User uploaded documents are split into chunks, embedded and stored.
- Queries trigger similarity search and an Ollama LLM was used to return context-rich answers.

EDUCATION

Master of Science in Data Science

June 2024 - Present

Goa University, Taleigao Plateau, Goa

- Studied AI basics, ML, Design Thinking, Hadoop, Big Data Analytics, Software Engineering.

Bachelor of Science in Computer Science

Sep 2021- May 2024

Dhempe College of Arts and Science, Miramar, Goa

- Relevant coursework in Data structures and Algorithms, Database Management Systems, Data Science, Embedded Systems.
- CGPA 9.77

ADDITIONAL INFORMATION

- Languages:** Konkani (Native), English (Advanced), Hindi(Intermediate), Marathi(Beginner).
- Awards/Activities:** Received the "Certificate of Merit" for scoring maximum marks in the TYBSc examination 2023-24.
 - Won 2nd place in "Tri-math-lon," 1st place in "Most Vibrant Team" in X-iom 2023, Government College of Arts, Science & Commerce, Sanquelim-Goa.
 - Attended various workshops such as AR&VR, Robotics & Automation, Our Dynamic Planet, etc.
- Interests:** Badminton, Gaming, Movies/TV Shows, Gym Workout