

NILAY SARMA

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GitHub | **Linkedin**

EDUCATION

Indian Institute of Technology, Guwahati
Data Science & Artificial Intelligence Bachelors

Guwahati, Assam
2024 - 2028

SKILLS

Programming Languages:	Python, Java, R, C++
Libraries/Frameworks:	Langgraph, numpy, matplotlib, pandas, streamlit, scikit-learn
Tools / Platforms:	Git, GitHub, VS Code, Docker
Databases:	MySQL

PROJECTS / OPEN-SOURCE

Notes Assistant (RAG) | [Link](#)

Python, Langchain, RAG, LLM, ChromaDB, Streamlit

- An end-to-end Retrieval-Augmented Generation (RAG) application that allows users to **upload PDF documents** and ask natural language questions about their contents.
- The application processes documents using **semantic search**, retrieves the most relevant context, and generates accurate answers using **Google's Gemini model**.
- **Frontend:** Streamlit. **Backend:** LangChain Text Splitters, Python, Pydantic. **AI/RAG:** Sentence Transformers, ChromaDB, Google Gemini. **Testing:** Pytest.

ZenquotesPy | [Link](#)

Python, PyPI

- **ZenquotesPy** is a lightweight Python package that provides easy access to motivational and inspirational quotes from the ZenQuotes.io API.
- Whether you're building a chatbot, a productivity app, a daily quote generator, or just want a little inspiration in your terminal this package makes it effortless.
- Read the **documentation page** (<https://zenquotespy.pages.dev>) to know more about the package.

CERTIFICATIONS

- Summer School on "Language and Vision with AI/ML" - **IIT Guwahati**
- Programming with Generative AI - **IIT Guwahati**
- AI: Data Pre-processing & Visualization - **NIELIT Guwahati**