RUDRA PARBAT

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EDUCATION

SWAMI VIVEKANADA UNIVERSITY	West Bengal ,kolkata
B.Tech in Computer Science And Engineering	*Aug. 2023 – Aug 2027*

PROJECTS

Chatforge - Real-Time Group Chat Application | *Live Link* | *Github*   19th Dec – 2nd Jan 2024 - 25
Tools :- DAPHNE , DJANGO CHANNELS, REDIS , DOCKER
- Developed a real-time group chat app using **DJANGO CHANNELS , DAPHNE , REDIS and DOCKER**.
- Enable **public/private chat rooms** with room codes for access management.
- **Use REDIS for caching** messages to ensure sessions persistence during reconnection. **Used POSTGRESQL** production ready database.

Cold Email Generator App using Gen AI | *Live Link* | *Github*   4th Jan – 9th Jan 2025
Tools :- PYTHON, GROQ , LANGCHAIN , STREAMLIT
- Integrated **Llama 3.3** for generating high-quality email content Using **Groq Cloud**.
- Used **LANGCHAIN** for seamless **natural language processing** workflows.
- Built an interactive and user-friendly UI with **STREAMLIT**.

XYLA – Mental Health AI Assistant [BACKEND] | *Live LInk* | *Github*   Feb 2025 - Present
Tools :- DJANGO , LANGCHAIN , PINECONE , DAPHNE , DOCKER , GROQ , NEON PG DB.
- Developed a real-time backend using **Django Channels and WebSockets** to enable seamless live chat interactions for a mental health support chatbot.
- Integrated **Groq with LLaMA 3.3** for generating empathetic emotional support responses using tailored prompts and user mood context.
- Implemented **chat history memory** using **Pinecone vector database**, enabling the bot to remember past interactions and respond with personalized support based on conversation history.

EXPERIENCE

**BACKEND DEVELOPER INTERN	*Offer Letter***	March 2024 – Present
ONLINE SAVAARI PRIVATE LIMITED	*MUMBAI, MAHARASTRA*

- Developed a **REST API using Django Rest Framework and PostgreSQL** for building Advertisement system.
- Developed **CI/CD Pipeline Using Github Actions** for seamless integrations and development.
- Manage JIRA Dashboard For Project management.
- Worked on **WhatsApp Bot** To Automate Message and Document Sending After Booking.

CERTIFICATION

        Aug 2023 – Feb 2024

Basic Python Programming Certification, Ardent , Grade – 'A+'.

Issued: February 2024

Certificate Link :- *https://drive.google.com/file/d/1N8Uo3bk8Uv60hoCeEULJ9gYDzN2TRkJI/view?usp=sharing*

TECHNICAL SKILLS

Languages: Python , C , JavaScript, HTML/CSS, PHP
Frameworks: Django ,Django Rest Framework , Agno, Langchain , FastApi , React
Developer Tools: Git, Github , Docker, Google Cloud Platform, VS Code, Jira , Aws
Database : Postgres , Mysql , Sqlite3.