Pranav Jindal

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Technical Skills

- **Interests and Domain: Machine Learning, MCP, Open Source LLM, Finetuning, RAG, Agentic AI,**
- **Languages and Frameworks: Python, Javascript, Hugging Face, Langchain , Git, Excel**
- **Databases and QL: MySQL, Pinecone, ChromaDB, MongoDB, Cassandra**
- **Libraries: PlotLy, Matplotlib, Seaborn, Scikit-learn, Numpy, Pandas, Langchain**
- **Tools and Infrastructure: AWS, Postman, Power-BI, Claude-Code, Cursor**

Work Experience

iNeuron.ai ,Remote Feb 2024 – Apr 2024

Machine Learning Intern

- Created an End to End Machine Learning Project from Data Wrangling to Final Deployment to AWS cloud
- Used various Mlops tools like DVC, Mlflow,Github Pages to Automate the testing and Create a Pipeline for a project automation purpose
- Stayed current with the latest advancements in iNeuron.ai and their projects.

IBM SkillsBuild, Remote Dec 2022 - Jan 2023

Emerging Technologies Intern

- Completed a rigorous 2-week internship at IBM SkillsBuild, gaining hands-on experience in emerging technologies such as, AI/ML, big data.

Education

B.Tech (Computer Science and Engineering) Oct 2021 - Jun 2025
Dr. A.P.J Abdul Kalam Technical University **CGPA:7.7/10**

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Machine Learning, Advance Data Structures and Algorithms, Statistics

CBSE Class XII
Year of Completion: 2019
Percentage: **94%**

CBSE Class X
Year of Completion: 2021
Percentage: **94%**

Project Work

RAG-Powered Clinical Assistant (Llama2)

- Developed a Retrieval-Augmented Generation (RAG) chatbot utilizing Llama2 GGML for context-aware response generation.
- Indexed **The Gale Encyclopedia of Medicine** using Pinecone vector storage to ensure medically grounded and accurate responses.

Thyroid Disease Detection :

- Developed a Thyroid Disease Detection project leveraging machine learning techniques and Python. Implemented a predictive model trained on patient data, providing accurate and timely identification of thyroid disorders.
- Employed feature engineering and classification algorithms to enhance the model's accuracy, contributing to early diagnosis and facilitating more effective medical interventions for individuals at risk of thyroid diseases.

Intelligent Multi-Chain Quiz Generator

- Built a Streamlit application leveraging LangChain to generate customizable quizzes (topic, tone, count) directly from source PDFs.
- Implemented a two-chain LLM architecture where the second chain performs autonomous, detailed review and refinement of the quiz structure and quality.