

# Aryan Patel

AI/ML Engineer

Indian Institute of Information Technology Manipur — B.Tech (CS), Class of 2027

GPA: 6.8/10

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## Education

Indian Institute of Information Technology Manipur  
B.Tech in Computer Science

Expected June 2027  
GPA: 6.8 / 10

## Technical Skills

**Languages:** Python · JavaScript · C++

**Frameworks / Tools:** React · Tailwind · Flask · FastAPI · Express.js · Node.js · WebSockets · Socket.IO · Redux / Context API

**Databases / Object Storage:** MongoDB Atlas · SQL · MinIO object store DB

**AI / ML / Generative Tools:** LangChain · LangGraph · HuggingFace · CrewAI · Chromadb · OpenAI embeddings · Sentence Transformers · Docker · Render Deploy · TensorFlow · Scikit-learn · NumPy · Pandas · matplotlib · seaborn · RNN / LSTM / GRU · Word Embeddings

## Projects

**FloatChat AI** — [github.com/aryan-Patel-web/FloatChat<sub>AI</sub>](https://github.com/aryan-Patel-web/FloatChat_AI)

Tech stack: React · Tailwind · Chromadb · MongoDB Atlas · Streamlit · Docker

- Chatbot + dashboard to query visualize ARGO oceanographic data via natural-language commands.
- Built pipelines for embeddings / retrieval; designed UI for environmental profile visualizations (e.g., salinity, depth-time plots).

**Bajaj – LLM-Powered Intelligent Document Retrieval System** — [github.com/Aryan9140/Bajaj<sub>son</sub>](https://github.com/Aryan9140/Bajaj_son)

Tech stack: Flask · Chromadb · MongoDB Atlas · OpenAI / Claude · File upload · Token authentication

- Engineered semantic search across legal, insurance, HR documents with latency < 5s.
- Integrated embeddings + caching; built secure endpoints; optimized cost.

**Walmart Hackathon Prototype** — [github.com/aryan-Patel-web/Walmart<sub>Hackathon</sub>](https://github.com/aryan-Patel-web/Walmart_Hackathon)

Tech stack: Flask · ML · Feature Engineering · Streamlit

- Predict product disposition (refurbish / resale / etc.) on returned goods; built pipeline for profit estimation.
- Responsive dashboard; engineered features like resale ratio, refurb cost; deployed model.

**AutoSearch / LangGraph Project** — [github.com/aryan-Patel-web/AutoSearch<sub>LangGraph</sub>](https://github.com/aryan-Patel-web/AutoSearch_LangGraph)

Tech stack: LangGraph · React UI · Embeddings · OpenAI API

- Built semantic search tool with file/text uploads; React-based UI; retrieval via embeddings.

**Speech-Emotion-Recognition-Flask** — [github.com/aryan-Patel-web/Speech-Emotion-Recognition-Flask](https://github.com/aryan-Patel-web/Speech-Emotion-Recognition-Flask)

**Next-Word-Prediction LSTM (Shakespeare Dataset)** —

[github.com/aryan-Patel-web/Next-Word-Prediction-LSTM-DL-Project-Shakespeare<sub>Dataset</sub>](https://github.com/aryan-Patel-web/Next-Word-Prediction-LSTM-DL-Project-Shakespeare_Dataset)

**Kindle Review Sentiment Analysis (Word2Vec NLP)** —

[github.com/aryan-Patel-web/Kindle-Review-Sentiment-word2vec<sub>NLP</sub>](https://github.com/aryan-Patel-web/Kindle-Review-Sentiment-word2vec_NLP)

## Certificates

- Certificate: Complete Data Science, Machine Learning, DL, NLP Bootcamp — [ude.my/UC-444c073c-100e-4638-afd5-27743147fdda](https://ude.my/UC-444c073c-100e-4638-afd5-27743147fdda)
- Certificate: Generative AI Course with LangChain · HuggingFace — [ude.my/UC-1c29da31-bec9-4bb6-9b42-9a8fa2275edb](https://ude.my/UC-1c29da31-bec9-4bb6-9b42-9a8fa2275edb)