

HIMANSHU SHEKAR.C

Dedicated ML developer with a goal of working in an organization that provides both personal and technical advancements.

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SUMMARY

Hi, I'm Himanshu Shekar. C, currently pursuing my B.Tech at IIT Patna (graduating in 2028). I really enjoy Machine Learning and Artificial Intelligence, with a strong interest in deep learning algorithms, transformers, and large language models (LLMs).

PROJECTS



GPT(124M) Model:

Training a transformer 124M parameter gpt model using tiny-shakespeare dataset. Build transformer from scratch using pytorch, python.

Description

- Was scaled to be trained on fine-webedu(10b) dataset, but was scaled down due to unavailability of gpu's.



Sign Language Detection Model:

Training LSTM deep learning algorithm on real time recorded data set of a person. Programmed using tensorflow,python, OpenCv.

Description:

- Model is able to detect real time sign language.



PPT-Maker(Agentic-AI)

Using ai-agents to create power point presentation by just taking topic from the user.Programmed using llama model,python ppt library,python.

Description

- The model provides a power point presentation by just taking the user input from the user.



Rag-Chatbot(Personal data)

Using langchain, pinecone vector database, gemini-2.0-flash as the llm model built a rag-chatbot that can provide information.

Description:

- The model is capable of providing information, answer questions related to any personal information/data that is provided to it.

EDUCATION



B.Tech MME

Indian Institute of Technology Patna

📅 2028

KEY ACHIEVEMENTS



National Level Lawn Tennis Champion- Ranked about 200 (Under-14)



Clearing JEE-advanced

SKILLS

Machine learning/Deep Learning

Neural Networks, ANN, CNN, RNN, LSTM, Transformers, Computer Vision (OpenCV)

Programming Languages:

Python, C, C++, JavaScript

Programming

Data Structures and Algorithms

Python Frameworks:

Flask, TensorFlow, PyTorch, Scikit-learn, OpenCV, Streamlit

Web-development

HTML5, Flask, JavaScript , React.js, Next.js, Node.js, Express.js

Maths In Machine-Learning

Linear Algebra, Probability & Statistics, Bayes Theorem, Gradients, Optimization, Gradient Descent

LANGUAGES KNOWN

Kannada,Hindi,English