SHUBH CHATURVEDI

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SUMMARY

As a pre-final year student deeply passionate about data science, I've gained practical experience through an AI internship, focusing on machine learning, deep learning, and natural language processing. Skilled in Python, I've developed expertise in integrating advanced tools like LangChain, LlamaIndex, and Hugging Face, and have explored Retrieval-Augmented Generation (RAG) to enhance solutions. Committed to continuous learning, I aim to advance AI and NLP solutions further.

EDUCATION

Institute of Engineering And Technology, Lucknow

B.Tech in Electrical Engineering   May 2026
GPA: 7.52 (4th semester)

TECHNICAL SKILLS

Data Analysis and Modeling: Jupyter, Colab, Anaconda,

Design and Modeling Tools: sklearn, MATLAB, pandas, numpy, PyTorch, NLTK, TensorFlow,

Programming Languages: Python, C, HTML, CSS

Tech Stack: Machine Learning, Deep Learning, NLP, Hugging Face, LangChain, LlamaIndex, RAG

Cloud: AWS, GCP, Microsoft azure,

Version Control: Git

ACADEMIC PROJECTS

Sentiment Analysis   Github
Solo Project.
- Used Python, Colab, NLTK, basic Python libraries.
- Preprocessed data using NLP techniques and applied different ML algorithms.

Retriever Question Answering Multi-Docs Agent   Github
Solo Project.
- Collected multiple documents and created a RAG-based agent using LangChain and Hugging Face to retrieve questions from the folder.
- The agent retrieves answers from different documents and identifies the source.

OTHER WORK EXPERIENCE

SJSV Venture Pvt Ltd., Lucknow: AI/ML Intern (15 hours/week)   March 2024 – April 2024
- Worked on data collecting and the data cleaning using web scraping.

FoodNest(s) Technologies Pvt Ltd., Lucknow: AI Intern   June 2024 – Present
- Worked on creating an end-to-end pipeline for data collection from different platforms like YouTube and Instagram videos. I also integrated LLM for data cleaning and used Google Translation API for text translation. For deployment, I used AWS.
- Used Tech - Python, LLM, API, AWS

I.E.T. Lucknow, Lucknow: Research Intern   June 2024 – Present
- Collaborating with my mentor and a team of 4 people on AI/ML development.

ACTIVITIES

Robotics Club Mentor (I.E.T Lucknow)   Dec 2023 – Present
Multiple leadership roles, including tutoring students and mentoring those. Some time you have to motivate them.