Manas Srivastava

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Education

Vellore Institute of Technology	Expected May 2026
Bachelor of Technology in Computer Science (GPA: 7.7 / 10.0)	*Bhopal, Madhya Pradesh*
Narayana IIT Academy	June 2019 -May 2021
Intermediate Education (Percentage: 92%)	*Hyderabad, Telangana*

Technical Skills

Languages: Python, SQL, Java
Frameworks & Libraries: PyTorch, TensorFlow, Transformers (Hugging Face), Scikit-Learn, LangChain, Pandas, NumPy, Matplotlib
GenAI & Tools: OpenAI API, Hugging Face Hub, LangChain, LlamaIndex, ChromaDB, Postman, Git, VS Code
Data & Visualization: Power BI, Tableau, Excel, Jupyter Notebook
Platforms & IDEs: Google Colab, PyCharm, Visual Studio Code
Soft Skills: Strong Problem Solving, Rapid Learning, Collaboration, Clear Communication

Projects

ChatPDF Clone | *LangChain, Hugging Face, ChromaDB, Streamlit, Python*
- Designed and implemented a document retrieval and summarization tool using LangChain to process and extract information from PDFs
- Integrated Hugging Face's transformers for natural language question answering from uploaded documents
- Incorporated ChromaDB as a vector store for performing efficient semantic search
- Deployed the application using Streamlit for a fast and interactive user interface

AI Chatbot | *Hugging Face, Transformers, FAISS, Flask, Python*
- Fine-tuned a Hugging Face transformer model for specific domain understanding
- Integrated local document retrieval to provide context-aware and accurate responses
- Implemented a conversational memory feature to allow the chatbot to maintain context across interactions
- Developed the entire backend using Flask, creating a simple yet powerful API for chatbot interaction

Resume Analyzer | *Hugging Face Transformers, Python, Streamlit, Pandas*
- Utilized Hugging Face transformers to extract key skills and qualifications from resumes and match them against job descriptions
- Developed a Streamlit-based UI for users to upload resumes and receive instant feedback on job-fit based on scoring algorithms
- Added an email functionality to send personalized feedback to applicants after resume analysis

Certifications

Applied Machine Learning in Python | CERTIFICATE	December 2023
University of Michigan	

- Built supervised and unsupervised ML models using Python and scikit-learn.
- Applied cross-validation and evaluation metrics to real-world datasets.

Generative AI with IBM Watsonx | CERTIFICATE	April 2025
IBM	

- Explored foundation models and prompt engineering using IBM Watsonx.
- Worked with model lifecycle tools for secure and scalable GenAI deployment.

The Bits and Bytes of Computer Networking | CERTIFICATE	December 2023
Google	

- Learned computer networking fundamentals: protocols, DNS, TCP/IP, routing, and security.
- Gained essential knowledge for deploying APIs, LLMs, and microservices in distributed systems.