Tushar Soni

AI/ML Enginner

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Profiles

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LinkedIn	GitHub	Hugging Face	kaggle

Summary

AI/ML Engineer specializing in natural language processing, with expertise in developing conversational AI systems, and language models. Proficient in Python, deep learning frameworks, and modern NLP tools, with a strong background in language-based applications.

Experience

LearnNex | Powered by Wipro Dice ID   Oct 2024 - Dec 2024

Data Science Intern

- Data Exploration: Analyzed customer behavior and churn.
- Feature Engineering: Created features like tenure, services, and payment methods.
- Model Building: Used Logistic Regression, Random Forest, and ANN.
- Insights: Provided strategies to reduce churn and target high-risk customers.

Education

Guru Gobind Singh Indraprastha University (GGSIPU)   Sep 2023 - Jun 2026

New Delhi, Delhi   Bachelor's in Computer Science

Projects

Personnel Empowerment 🔗

- An AI-powered employee engagement platform that generates surveys and analyzes employee feedback in real time.
- Developed a Flask backend with REST endpoints for saving surveys, AI question generation, analytics, and sentiment trends.
- Implemented NLP sentiment analysis using my own fine-tuned DistilBERT model to classify feedback.
- Set up MongoDB for secure data storage; enforced environment-based secrets, CORS, and encrypted transport for privacy and security.

Agentic Chatbot 🔗

- A modular agentic chatbot starter template leveraging LangGraph for stateful agent orchestration and routing, and LlamaIndex for RAG over PDFs.
- Designed a routing workflow graph with an intent classifier to direct queries to specialized agents (e.g., PDF Q&A vs. default conversational agent) with conditional branching.
- Implemented an end-to-end RAG pipeline: PDF ingestion, chunking, vector indexing, semantic retrieval, and LLM-based answer synthesis with multi-document support.

Chat with PDFs 🔗

- A Python application that lets users upload multiple PDFs and ask natural-language questions, returning concise answers grounded in the documents.
- Implemented a retrieval-augmented generation (RAG) workflow. Enabled cross-document querying by unifying indexes so questions can reference information across multiple files.

Core Competencies

Data Analysis	SQL	Deep Learning	Agentic AI
Machine Learning	NoSQL	LLMs	RAG

Certifications

Build AI Agents and Chatbots with LangGraph 🔗	**MongoDB Developer's Toolkit: CRUD Mastery with Python** 🔗
LinkedIn Learning	GeeksforGeeks
Applied AI: Building NLP Apps with Hugging Face Transformers 🔗	**Wipro DICE ID Data Science Certification** 🔗
LinkedIn Learning	LearnNex	Powered by Wipro Dice ID