

# CHANDRANSHU JAIN

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## SUMMARY

Generative AI Developer with 2+ years of experience building RAG pipelines, agentic workflows, and LLM-based solutions, data analytics and AI adoption initiatives to drive product innovation—recognized at Moody's for impactful, client-centric analytics.

## SKILLS

**Generative AI/LLMs:** LangChain, LangGraph, Hugging Face, RAG, Agentic AI, Prompt Engineering, Embeddings, Vector DBs (FAISS, Chroma), LLMOps

**Programming & Tools:** Python, R, SQL, FastAPI, Streamlit, R Shiny, AWS, PostgresDB

**Machine Learning & Analytics:** Risk Modelling, Statistical Analysis, Regression Analysis (Linear and Logistic), Deep Learning

## WORK EXPERIENCE

### Moody's Analytics

Risk Consulting Associate

Nov 2025 – Present

Asst. Risk Consulting Associate

Jul 2023 – Oct 2025

Generative AI

- Designed and deployed AI chatbot (**LangChain + OpenAI + PostgresDB**) adopted firmwide, enabling RAG-based **document retrieval** and streamlining knowledge access.
- Built agentic AI workflow to generate automated narratives from stress tests, improving **stakeholder decision-making**.
- Led **AI adoption initiatives** (Copilot, GenAI, Knowledge Graphs) achieving **30%+ workflow efficiency gains** and training 50+ employees.

### Credit Risk and Climate Risk

- Developed **Model Risk Management application** (R + Shiny + GPT-4o integration) aligned with **SR 11-7**, automating regulatory reporting, reducing reporting time by 70%.
- Interpreted business requirements for risk models on a retail auto loan portfolio of **7L+ obligors** and **25M+ records** and engineered different data and modelling pipelines utilizing linear and logistic regression using sparklyr and **Spark** clusters in **R** for scalable model development.
  - Achieved **strong model performance**: Default model (ROC ~80%), Prepayment model (ROC ~70%), Curtailment model (MAE <10%).
- Delivered Climate Risk Stress Testing solution processing 100K+ records with 95%+ accuracy, supporting 10+ regulatory projects.

### Intern

May 2022 - Aug 2022

- Automated and optimized Economic Capital and scenario analysis** output files using R, improving execution speed and accuracy by 70%, enhancing financial reporting efficiency and reliability across multiple risk portfolios.

## PROJECTS

- Agentic LLM Chatbot** – LangGraph + FastAPI + Streamlit; handled real-time customer queries with 70%+ accuracy and scalable memory-based conversations.
- RAG Multi-PDF QA Bot** – Hugging Face + Gemini + ChromaDB; deployed on Hugging Face Spaces for semantic document retrieval at scale.

## CERTIFICATIONS

- Ranked in **top 2%** with **79%** in **NPTEL's Introduction to Large Language Models**, demonstrating strong grasp of LLM architectures, transformer models, and their practical applications.
- Completed **Hugging Face certifications** on cutting-edge GenAI technologies, including the MCP specialization.
- DeepLearning.AI – Top 5% learner** across diverse courses including Prompting, MCP, and LLM workflows.

## AWARDS & RECOGNITION

- Recipient of **Moody's IMPACT Award** for excellence in AI solution delivery and code quality under tight deadlines.
- Recognized for client-centric, high-accuracy analytics, driving measurable business value and repeat project success.

## EDUCATION

### Hindu College

M.Sc. Statistics (Gold Medallist) / 9.667

New Delhi, India

Dec 2021 - May 2023

### Ramjas College

B.Sc.(H) Statistics (Course Topper) / 9.62

New Delhi, India

Jul 2018 - May 2021

### City Montessori School

Lucknow, India

