

YASHASVI JAISWAL

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Education

Manipal University Jaipur

2024 – 2028 (Expected)

Bachelor of Technology in Computer Science and Engineering, Data Science Specialization

CGPA: 8.99

- **Courses:** Data Structures & Algorithms, Computer Networks, Machine Learning, RDBMS, Operating Systems, Cloud Computing, Statistics & Probability.
- **Certifications:** Generative AI with LLMs (AWS), NLP Specialization (DeepLearning.AI), Programming in Java (NPTEL).

Experience

Product Intern

Jul 2026 – Aug 2026

Atypical Advantage

- Developed and integrated a multilingual STT/TTS application supporting all 22 official Indian languages with automatic mid-conversation language detection.
- Curated, structured, and preprocessed datasets for ML-based conversational learning systems, supporting reliable downstream model development.

Research Intern

May 2026 – Jul 2026

Malaviya National Institute of Technology (MNIT) Jaipur

- Developed an end-to-end ML pipeline to detect false data injection attacks in power-grid systems using clustering, feature engineering, and classification.

Research Intern

Dec 2025 – Feb 2026

Indian Institute of Information Technology (IIIT) Allahabad

- Developed a hierarchical NLP classification framework using PyTorch and Hugging Face, processing and validating 60,400+ social media records and analyzing model errors to improve classification performance.

Projects

Intelligent Project Operations Assistant

[GitHub](#)

- Built a Python-based assistant that converts unstructured meeting notes, reports, and emails into structured action items, risks, decisions, and dependencies with source traceability.
- Implemented RAG-based Q&A, automated weekly reporting, human-in-the-loop approval, and interchangeable LLM backends across Groq, Gemini, and Ollama.

AI Change Impact Studio

[GitHub](#)

- Built a full-stack application that transforms business process changes into structured impact assessments, RACI/RAID plans, communication plans, and training matrices.
- Implemented document retrieval, citation verification, Pydantic-based output validation, a 17-table data model, and unit-tested readiness scoring.

Skills

- **Programming:** Python, C, C++, Java, SQL
- **Data & ML:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Backend & AI:** FastAPI, LLM APIs, RAG, Hugging Face, Streamlit
- **Databases & Tools:** PostgreSQL, MySQL, NoSQL, SQLAlchemy, Git, Unit Testing

Publications, Awards & Leadership

- **Research Publications:** “Deep LSTM Networks for Short-Term Load Forecasting: Analyzing Extreme Weather Dynamics in Delhi” (IEEE ICACCM 2026), “Distilling Black-Box Ensembles into Interpretable Decision Trees for Explainable AI” (Springer SSIC 2025).
- **Awards:** 2x Dean’s List Academic Excellence Award (MUJ); Student Excellence Award (MUJ); Finalist, HackTU 7.0 (An MLH hackathon).
- **Leadership:** Student Placement Coordinator, Manipal University Jaipur.