

GAURANK MAHESHWARI

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SUMMARY

Data Science professional with **2+ years** of research and industry experience in AI, workflow automation, and high-performance computing (MPI, CUDA). Experienced in bridging research and production, from delivering AI-driven MVPs to streamlining scalable data systems. Seeking full-time opportunities starting **December 2025**; eligible for **36-month STEM OPT** (*M.S. Data Science, RIT*).

EDUCATION

Rochester Institute of Technology (RIT)

Master of Science in Data Science

- **Graduate Teaching Assistant:** DSCI-640 (*Neural Networks*), DSCI-601 (*Applied Data Science*)

Rochester, NY
Aug 2023 - Dec 2025

The LNM Institute of Information Technology (LNMIIT)

Bachelor of Technology in Computer Science

Jaipur, INDIA
July 2019 - May 2023

WORK EXPERIENCE

Data & Workflow Automation Intern

RIT Venture Creations Incubator

- Migrating existing processes into structured Airtable databases to improve data reliability.
- Designing dashboards and automation workflows to streamline operations and reporting.

Rochester, NY
Aug 2025 – Present

AI Developer

Magic Spell Studios

- Led technical development of a transcript-first platform with personalized delivery and AI-driven workflows, reaching **~86% attribution** accuracy by MVP stage, with ongoing improvements, tiered access and automated email workflows.
- Deployed a production-ready MVP demo (internal + investor access) that automates speaker-aware transcription and delivery workflows, improving content readability and discovery by **up to 7×** across **5,000+ podcast episodes**.

Rochester, NY
Jan 2025 – Aug 2025

Research Trainee (AWARE-AI Trainee Council under Service)

AWARE-AI NSF Research Traineeship Program, RIT

- Engineered AI systems for multimodal information processing, enhancing human-AI interaction across 4 use cases.
- Introduced innovative features that improved user engagement by **30%** based on feedback metrics.
- Participated in lab rotations across **3+ AI labs**, contributing to a robot-human collaboration project using genetic algorithms, improving efficiency by **20%**.

Rochester, NY
Aug 2024 – Aug 2025

Junior Data Scientist

EVOLV - (DeMons) (18-employee venture-backed startup)

- Engineered data-driven models to optimize NFT scarcity using user engagement metrics and rule-based parameter tuning.
- Tuned **5+ scarcity parameters**, yielding a **15% increase** in overall scarcity value across the collection.
- Applied statistical modeling to boost the **scarcity factor by 20%** and increase the **perceived value of 666 limited**
- **DeMons NFTs by 10%**.

Bengaluru, INDIA
Jan 2023 – Jul 2023

PROJECTS

Capstone — NewsLens AI: NER-Guided Summarization for Transparent News

Jan 2024 – May 2025

Tools and Technologies: GPT-3.5, Hugging Face Transformers, TensorFlow, Python 3, LLaMA-2

- Designed and implemented a NER-guided summarization pipeline for LLMs, applied to **1,500** real-world news articles.
- Improved factual alignment by **9.8% BERTScore**, reducing hallucinated entities by **~30%** using entity-aware prompting.
- Evaluated model outputs for bias, sentiment, and toxicity, achieving a **35% reduction in bias drift** and **~60% drop in toxicity** while maintaining source tone and entity fidelity.

SKILLS

Programming: Python, SQL, C++, TypeScript, HTML

Frameworks & Libraries: FastAPI, React.js, Tailwind CSS, Hugging Face Transformers, LangChain, Autogen

Tools & Platforms: Docker, AWS (RDS, S3, SES), Redis, Firebase, Deepgram Nova, OpenAI API, Celery, MPI, CUDA

Core Competencies: Generative & Agentic AI, LLM Fine-Tuning, RAG Pipelines, Prompt Engineering, HPC, MLOps, Scalable API Design, UAT

Certifications & Training: The Data Scientist's Toolbox (*Coursera*), Python Data Structures (*Coursera*), Python for Data Science and Machine Learning Bootcamp (*Udemy*), Complete Python Bootcamp from Zero to Hero (*Udemy*), Data Structures and Algorithms (*GeeksForGeeks*)