

GAURANK MAHESHWARI

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SUMMARY

AI Developer with experience delivering full-stack, agentic AI systems across research and production environments. Actively seeking full-time roles starting **December 2025**; eligible for a **36-month STEM OPT** (M.S. Data Science, RIT).

EDUCATION

Rochester Institute of Technology (RIT)
Master of Science in Data Science (Cumulative GPA: 4.0/4.0)

Rochester, NY
August 2023 - December 2025

The LNM Institute of Information Technology (LNMIIT)
Bachelor of Technology in Computer Science

Jaipur, INDIA
July 2019 - May 2023

WORK EXPERIENCE

AI Developer

Magic Spell Studios

Rochester, NY
Jan 2025 – Present

- 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**.

Research Trainee (AWARE-AI Trainee Council under Service)

AWARE-AI NSF Research Traineeship Program, RIT

Rochester, NY
August 2024 – August 2025

- 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%**.

Junior Data Scientist

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

Bengaluru, INDIA
Jan 2023 – July 2023

- 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%**.

UNIVERSITY EXPERIENCE

Department of Software Engineering, RIT

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

Rochester, NY
August 2024 – May 2025

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

Languages: Python, SQL, 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

Core Competencies: Generative & Agentic AI, Prompt Engineering, LLM fine-tuning, RAG pipelines, MLOps, Scalable API design, User Acceptance Testing (UAT)

AWARDS AND HONORS

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*)