

SUJAL MAHESHWARI

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WORK EXPERIENCE

AI Data Scientist Intern, Basal AI
Bengaluru, Karnataka, India (Remote)

May 2025 – Present

- Built a data pipeline on Azure Compute to periodically extract Shopify data using the Admin API and perform web scraping for historical records.
- Developed an end-to-end AI tool powered by a fine-tuned GPT-4.1 model trained on organization-specific data—automatically generating professionally written articles from short contextual snippets.
- Created a podcast analysis feature that extracts content highlights and speaker descriptions from a given podcast link, enabling easier future reference and reuse.
- Collaborated remotely across cross-functional teams and coordinated with the client's technical team to accelerate iterative model improvements and deployment cycles.

LLM Engineer, Patent Work

April 2024 – July 2024

Patent: Namaste Enabled Service Robot for Hospitality Industry

Application No: 202411035697

- Designed and developed an NLP-based keyword extraction chatbot using rule-based filters.
- Fine-tuned GPT-2 on domain-specific corpora to enhance contextual awareness and dialogue flow.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline for document-grounded response generation.
- Contributed to a patentable AI system by integrating multiple LLM-based modules into a unified chatbot experience.

EDUCATION

- **Bachelor of Technology in Computer Science Engineering (AI and DS)** *Sept 2022 - July 2026*
Graphic Era Deemed to be University, Dehradun, Uttarakhand
- **Relevant Coursework:**
Data Structures in C, Statistical Data Science, Data Analytics with R, Mathematics for Machine Learning, Design and Analysis of Algorithms

SKILLS & DEVELOPMENT TOOLS

- **Programming:** C/C++ (4 yrs), Python (4 yrs), JavaScript (1 yr)
- **AI/ML:** Scikit-learn, PyTorch
- **Web Development:** Flask, Streamlit, FastAPI, ReactJS
- **Databases:** SQL, MongoDB, PostgreSQL
- **Cloud Services:** Azure AI Foundry, Azure Web applications, Azure Fabric, Azure Data Lake
- **Certifications:** DP-900 (Microsoft Azure), Generative AI (AWS + DeepLearning.AI), Data Analytics (IBM), AWS Certified Cloud Practitioner

PROJECTS

MediMatch – AI Organ Transplant Prioritization

[Visit the project](#)

Developed an AI backend using LLaMA 3.2 to analyze medical reports and assign severity scores for real-time transplant prioritization. Integrated Python-based GenAI with a secure Node.js/Express backend.

NoteStream – YouTube Transcript Summarizer

[Visit the project](#)

Built a productivity tool using Streamlit that converts YouTube transcripts into clean, readable Markdown notes using AI-based chunking and summarization.