

# Sohan M

## AI Engineer

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### PROFILE

Being an AI Engineer, my professional passion centres around translating the latest advancements in Artificial Intelligence, Machine Learning, and Data Science into tangible solutions for real-world problems. By combining my technical expertise with a keen understanding of business needs, I aim to contribute to the seamless integration of AI technologies, pushing the boundaries of what is possible in the realm of applied artificial intelligence.

### PROFESSIONAL EXPERIENCE

#### AI Engineer

IBM

Aug 2023 – present  
Bengaluru, India

- Deployed AI solutions incorporating LLMs, Elasticsearch, and Machine Learning models, resulting in an approximately 80% reduction in manual efforts within Operations and Testing teams.
- Created a groundbreaking Proof of Concept (POC) that affected many customers for migrations, leveraging LLM, Hugging Face, and Python technologies.
- Developed scalable AI solutions using LangChain and LlamaIndex frameworks, demonstrating expertise in generative AI technologies.
- Implemented and fine-tuned both open-source and paid LLM models, customizing solutions to meet specific project requirements and performance goals.
- Implemented open source image analysis system integrated with Watsonx.ai

#### SDE Cloud Intern

IBM

Feb 2023 – Jul 2023  
Hyderabad, India

- Project title – Set/Reset last permit on policy create/update
- The scope of this project will be to set/reset the last permit flag in mongoDB when a policy is created/updated.

### EDUCATION

#### B.E. Information Science and Engineering

Nitte Meenakshi Institute of Technology  
CGPA - 8.29

2019 – 2023  
Bengaluru, India

### SKILLS

**Programming Languages** (Python), **Python Packages** (NumPy, Pandas, Matplotlib, Skit-learn),  
**Database Management** (ChromaDB, Milvus, Weaviate, MySQL),  
**Generative AI Technologies** (Open-source and paid LLM models (Llama2, Mistral, OpenAI, Google Gemini Pro)),  
**Frameworks & Tools** (LangChain, LlamaIndex, TensorFlow, PyTorch, Streamlight, Flask),  
**AI/ML Techniques** (Fine-tuning with custom data, vector embedding, NLP, Dockers, Naive Bayes, Logistic Regression, Linear Regression, SVMs, Decision Tree),  
**Soft Skills** (Analytical thinking, Problem-solving, Teamwork, Effective communication)

### COURSES

#### Generative AI with Large Language Models

DeepLearning.AI

#### Machine Learning Deep Learning (MLDL)

iNueron

#### IBM WatsonX Essentials

IBM

### PROJECTS

#### ATS Resume LLM App

- Overview: Developed an application optimizing resumes for ATS using OpenAI APIs, enhancing match rates for job applications.
- Technologies: OpenAI APIs, Python, AWS, Google Gemini Pro.
- Outcome: Achieved a 50% improvement in ATS match rates, increasing users'

#### Text to SQL LLM App using Llama2

- Overview: Created an app to convert natural language queries into SQL commands using Llama2, improving database accessibility for non-technical users.
- Technologies: Llama2, Python.
- Outcome: Reduced query formulation time by over 60%, enhancing productivity for users.

### ACHIEVEMENTS

- Innovative AI Solutions: Successfully developed and deployed cutting-edge AI applications, demonstrating a strong impact in enhancing user engagement and operational efficiency.
- Technical Leadership: Led teams and projects to pioneer the use of generative AI technologies in practical, real-world applications.

### INTERESTS

Travelling, Cricket, Watching Movies and Comic Series