

# Manav Garg

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## Summary:

Highly analytical, meticulously organized software developer skilled in software development, AI, and Data Science. Known for collaborative teamwork, a strong sense of ownership, and a proven history of delivering top-tier strategic solutions to overcome obstacles and drive business advancement.

## Technical Skills:

- **Programming Languages:** Python, Java
- **Frameworks & Tools:** TensorFlow, PyTorch, Langchain, LlamaIndex, Flask, Spring Boot, Spring MVC, Hibernate, Spring Batch, Microservices
- **Generative AI Technologies:** Open Source and paid LLM models (like Open AI, Google Gemini, Mistral, Llama2, Mistral etc.), RAG
- **Databases:** PostgreSQL, MySQL, Microsoft SQL Server, Mongo-DB, Oracle
- **Vector Databases:** Chroma DB, Pinecone, Weaviate
- **AI/ML Techniques:** NLP, Neural Network optimization, Deep Learning, Supervised and Un-Supervised Algorithms, fine-tuning with custom data, vector embedding
- **Clouds and deployment tools:** Docker, GIT, AWS (EC2 and Lambda)

## Experience:

**Software Engineer (SE) :** Tata Consultancy Services LTD | August 2021 – Present

- Proficiently managed programming for databases and projects using Java and Oracle.
- Applied multithreading in multiple backend batch jobs and also used JNDI for database connectivity and also optimized SQL queries increasing the process and workflow of product.
- By applying the above things, the product became more feasible and optimized and able to enhanced the speed up to 60-70%.

## Projects:

### Source Code Analysis Using Gen-AI

- **Overview:** Created a chatbot that provides the detail description of the source code of the passed repo URL.
- **Technologies:** Google Gemini API, Python, Flask, Chroma DB, Docker
- **Outcome:** Reduced the time in reading the project documentation.

### Email Spam Detection Using NLP

- **Overview:** Created a NLP application which classified whether an email is SPAM or HAM.
- **Technologies:** Python, NLP, ANN, Flask, Google Drive, Docker
- **Outcome:** Has able to identity whether the email is SPAM or Not in deeper way.

## Education:

- **GGSIU**, New Delhi | Bachelor of Computer Applications | August 2016 - May 2019
- **NIIT**, New Delhi | Advance Program in Full Stack Software Development | June 2019 – Feb 2022
- **Sastra Deemed to be University**, Thanjavur | Master of Computer Applications | August 2022 – May 2024

## Certifications:

- Mastering Generative AI from INEURON
- Full Stack Data Science Masters from PW Skills