Manjeet Singh

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# Professional Summary

A dedicated Software Developer with **over 2 years of experience**, specializing in **Python & Generative AI**. Eager to apply project experience to software engineering, delivering innovative solutions and ensuring efficiency.

**Skills** Python, RAG, Prompt Engineering, LangChain, LangGraph, MCP, AI Agents, Debugging, Git, SQL, Unit Testing **Professional Experience SDE** ([edquest](https://edquest.co.in/)) **Gurugram, Haryana** 3/2023 - Present

* Developing a **Python-based solution** to **automate and optimize procurement costs** by comparing service providers, their services, and competitor to reduce the cost of business contracts.
* Implemented Retrieval Augmented Generation (***RAG***) system to enhance an AI tutoring platform, improving its subject assistance capabilities.
* Developed **AI agents, MCP tools, and LangGraph-based solutions** to automate tasks, manage model context, and enhanced AI-driven interactions in educational technologies.
* Engineered and maintained Model Context Protocol (***MCP***) servers and supporting tools, contributing to system reliability and efficiency.

# Projects

## AI Tutor

Used **RAG** with an **AI avatar** for personalized learning: upload docs, ask questions for chunked answers, and test knowledge with quizzes.

## SoundScript

An innovative project designed to **break down communication barriers** by transforming recorded audio calls into concise, **English-language summaries with contextual analysis**. Seamless solutions for **different languages or hearing impairments**.

## Zapier MCP Server

Automated **Cursor** with Zapier MCP, enabling natural language control over **Gmail** and **Google Calendar** for tasks like drafting emails and scheduling events.

# Education

**Master of Science** (Institute of Informatics & Communication, University of Delhi) **Delhi, India**

* Major: Computer Science and Engineering.

**Bachelor of Science** (Government PG College, Maharishi Dayanand University) **Gurugram, Haryana**

* Major: Physical Science.

# Courses & Certifications

* Introduction to LangGraph ([**LangChain Academy**](https://academy.langchain.com/courses/take/intro-to-langgraph/lessons/56295530-getting-set-up-video-guide))
* ChatGPT Prompt Engineering for Developers ([**Deep Learning**](https://learn.deeplearning.ai/courses/chatgpt-prompt-eng/lesson/dfbds/introduction))

# Tools and Frameworks

Hugging Face, Open AI Whisper, Pandas, LangGraph, Zapier, Pinecone, Llama Index, Pytest, Chroma, NumPy

# Areas of Interest

Artificial Intelligence, Machine Learning, Generative AI, Automation, AI Agents, AI Voice Assistants, MCP