

## SUMMARY

AI Engineer with over 4 years of experience delivering innovative solutions in machine learning and natural language processing. I excel at optimizing processes to solve complex problems effectively and have a proven track record of developing scalable software solutions that meet business needs. My experience includes collaborating with diverse teams to achieve project goals and improve overall efficiency. I am dedicated to keeping up with the latest technologies to build solutions that make a real difference.

## SKILLS

<b>Languages</b>	Python, Shell Script, Markdown, SQL, Java, GoLang, C#
<b>Tools and Frameworks</b>	MCP, GenAI Development Frameworks, FastAPI, Ollama, Docker, docker-compose, LangChain, HuggingFace, Vector Databases, Nvidia CUDA, BERT, sk-learn, OpenCV, PyTorch, MySQL, MongoDB
<b>Developer Tools</b>	Linux Terminal, vim, VS Code, JetBrains IDE, MS SQL Server, MySQL Workbench, MongoDB Compass

## TECHNICAL EXPERIENCE

<b>NLP Engineer</b> <i>Ipsator Analytics Private Limited</i>	<b>08 2022 — Present</b> Bangalore, Karnataka
• Leading a team of AI/ML engineers to deliver multiple projects simultaneously, with a focus on efficiency and innovation.	
<b>AI Engineer</b> <i>Higeredd</i>	<b>09 2021 — 08 2022</b> Ludhiana, Punjab
• Designed and developed a Recommendation System to enhance the product quality.	
<b>Projects Instructor</b> <i>College Finder</i>	<b>07 2021 — 09 2021</b> Jamshedpur, Jharkhand
• Designed the projects Curriculum for the Data Science Course in the EdTech Venture.	
• Trained and Implemented Python Projects with international students.	
• Students whom I trained landed in big Tech MNCs after completing the course successfully.	

## PROJECTS

<b>AI Travel Itinerary Generation</b>	
• Designed a robust Pipeline for Itinerary Generation.	
• Deployed using FastAPI to return structured itinerary components in response to Natural Language Prompt.	
• Delivered a scalable and efficient solution that enhances travel planning convenience and improves user engagement.	
<b>Speech-to-Speech Chatbot API</b>	
• A robot that can listen to your query, process it, and respond with a human-like voice.	
• Designed the robot to function with OpenAI Whisper, ChatGPT API, and Text-to-Speech tools.	
• The robot can retrieve and respond using custom knowledge provided to it via files with .txt, .pdf, .csv, and many more file types.	
<b>AI Agent for generating Vendor Performance Reports</b>	
• An AI Agent that analyzes your input CSV/Excel data.	
• Generates a report based on the analysis.	
• Returns tabular as well as sentence reports as a PDF.	
<b>Skill Recommendation Engine</b>	
• Applied Transfer Learning on NLP Algorithms like Word2Vec, USE, and BERT.	
• Implemented an Ensemble approach to achieve a more generalized model.	
• Model accuracy turned out to be 93%.	

## EDUCATION

<b>Bachelor of Electronics and Communications Engineering</b> , Shree Swaminarayan Institute of Technology	06, 2022
<b>Higher Secondary Education in Science</b> , St. Xavier's High School, Hansol	03, 2018
<b>Matriculation</b> , St. Xavier's High School, Hansol	04, 2016