

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

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

TECHNICAL EXPERIENCE

NLP Engineer <i>Ipsator Analytics Private Limited</i>	08 2022 — Present <i>Bangalore, Karnataka</i>
<ul style="list-style-type: none">Leading a team of AI/ML engineers to deliver multiple projects simultaneously, with a focus on efficiency and innovation.Developed Agentic pipelines to analyze vendor and customer data and generate structured reports.Finetuned Custom LLMs and BERT based models for different use cases. Optimized and Deployed fine-tuned models on CPU and GPU with an accuracy score of 96%.Developed various products leveraging LLMs, Vector Databases, RAG Pipelines, Speech Synthesis, and Image Processing for better product performance.	
AI Engineer <i>Higheredd</i>	09 2021 — 08 2022 <i>Ludhiana, Punjab</i>
<ul style="list-style-type: none">Designed and developed a Recommendation System to enhance the product quality.Collected and analysed various kinds of Data and conducted EDA.Conducted Transfer Learning on NLP Algorithms and developed insightful models.Escalated the company's growth potential by 70% by providing suggestions in the Product's UI and UX.	
Projects Instructor <i>College Finder</i>	07 2021 — 09 2021 <i>Jamshedpur, Jharkhand</i>
<ul style="list-style-type: none">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

AI Travel Itinerary Generation
<ul style="list-style-type: none">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.
Speech-to-Speech Chatbot API
<ul style="list-style-type: none">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.
AI Agent for generating Vendor Performance Reports
<ul style="list-style-type: none">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.
Skill Recommendation Engine
<ul style="list-style-type: none">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

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