

# Mohd Shayan

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## PROFILE

Final-year B.Tech student in **Mathematics & Computing** specializing in **Generative AI**, **NLP**, and **RLHF**.  
Proven experience in **AI model training** and code evaluation, fine-tuning LLMs, and building RAG pipelines.  
Equipped with professional-grade **audio recording hardware** for high-fidelity data collection projects.

## EDUCATION

<b>Delhi Technological University</b> <i>B.Tech in Mathematics &amp; Computing</i>	New Delhi, India Nov 2022 – May 2026
<b>Delhi Public School, Mathura Road</b> <i>Senior Secondary Certificate (Class XII)</i>	New Delhi, India 2019 – 2021
<b>Delhi Public School, Mathura Road</b> <i>Secondary Certificate (Class X)</i>	New Delhi, India 2007 – 2019

## EXPERIENCE

<b>AI Code Trainer &amp; Evaluator</b> <i>Outlier AI (Remote)</i>	June 2025 – Aug 2025 <i>San Francisco, CA / Remote</i>
<ul style="list-style-type: none"><li>Evaluated and rewrote complex code snippets in <b>Python</b> and <b>C++</b> to improve LLM reasoning and code generation capabilities.</li><li>Performed <b>RLHF (Reinforcement Learning from Human Feedback)</b> on generalist and coding prompts, strictly adhering to ground truth and style guidelines.</li><li>Identified and corrected model hallucinations in technical domains, ensuring high-quality training data for next-gen models.</li></ul>	
<b>Machine Learning Intern</b> <i>Centre for Railway Information Systems (CRIS)</i>	July 2025 – Sep 2025 <i>New Delhi, India</i>
<ul style="list-style-type: none"><li>Engineered a conversational AI Chatbot for EPS helpdesk by fine-tuning open-source <b>LLMs</b> (Llama/Mistral) using <b>Hugging Face Transformers</b>.</li><li>Architected a <b>RAG (Retrieval-Augmented Generation)</b> pipeline using <b>LangChain</b> and vector databases to reduce model hallucinations.</li><li>Optimized inference latency and implemented context-aware retrieval using Python and Oracle Cloud.</li></ul>	
<b>Technical Lead &amp; Co-Founder</b> <i>Social Sure</i>	March 2024 – Present <i>Remote</i>
<ul style="list-style-type: none"><li>Developing a SaaS platform with an integrated AI agent using the <b>OpenAI API</b> and <b>Vercel AI SDK</b>.</li><li>Leading the full-stack implementation using <b>Next.js</b> and <b>TypeScript</b>, ensuring seamless integration of AI features.</li><li>Managing deployment pipelines via <b>Docker</b> and ensuring robust version control with <b>Git</b>.</li></ul>	

## TECHNICAL SKILLS

**AI Frameworks:** TensorFlow, PyTorch, Keras, Scikit-learn, XGBoost, LightGBM  
**Generative AI:** LangChain, LlamaIndex, Hugging Face, OpenAI API, Spacy, NLTK, OpenCV  
**Languages:** Python, C++, SQL, Java, TypeScript, JavaScript  
**MLOps & Tools:** Docker, Git, MLflow, Weights & Biases (WandB), Jupyter, Google Colab, CUDA  
**Hardware Audio:** Professional Audio Recording Equipment (High-fidelity Voice Data Collection)  
**Core Concepts:** RAG, Fine-tuning (LoRA/QLoRA), Prompt Engineering, RLHF, Model Evaluation

## LICENSES & CERTIFICATIONS

<b>Supervised Machine learning: Regression and Classification</b> <i>DeepLearning.AI</i>	Mar 2025 <i>Credential ID: K6PL95XZFD76</i>
<b>Introduction to Self-Determination Theory</b> <i>University of Rochester</i>	May 2022 <i>Credential ID: G7UDMQN9WTWR</i>
<b>Python Data Structures</b> <i>University of Michigan (Coursera)</i>	2023