

## Work History

**AI Fellow**, April 2025-August 2025

### Fusemachines – Hybrid

- Developed and deployed machine learning models using Python libraries (e.g., numpy scikit-learn, pytorch) for real-world applications.
- Gained hands-on experience in data preprocessing, feature engineering, model training, tuning, and evaluation.
- Understood AI ethics, bias mitigation, and responsible AI principles.
- Presented findings through technical documentation, dashboards, or demo presentations.

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## Education

Tribhuwan University, BS in Computer Science, Sept 2022 – November 2026

- Coursework: Artificial Intelligence, Neural Networks, System Design, Software Engineering, Computer Architecture, Comparison of Learning Algorithms, Computational Theory, Advanced Calculus

## Skills & Certifications

**Core Expertise:** Prompt Engineering | Generative AI | Retrieval-Augmented Generation (RAG) | Multimodal AI

**Google Cloud Skill Badge:** Prompt Design in Vertex AI [Badge](#)

### Technical Skills

**Languages:** Python (Proficient), (SQL, Javascript) Familiar,

**AI & Machine Learning:**

**Frameworks:** LangChain, PyTorch

**LLM APIs:** Google Gemini, OpenAI

**Vector Databases:** FAISS

**Specialized Libraries:** Pyannote (Diarization), OpenAI Whisper (Transcription)

**Web & API Development:** FastAPI, Streamlit

**Data Processing & Scraping:** PyPDF2 (PDF Extraction), newspaper3k

**Developer Tools:** Git & GitHub, Google Cloud Platform (Vertex AI)

Web-scraping(scrapy)

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**Projects:**

**AI Debate Video Analysis Engine** | Python, FastAPI, Google Gemini, Whisper, Asyncio | [GitHub](#)

Built an end-to-end API that ingests a video, transcribes it with Whisper, identifies distinct speakers with Pyannote, and extracts key claims for analysis.

Implemented a concurrent asyncio pipeline that uses Google Gemini to fact-check claims, detect rhetorical fallacies, and generate a final, evidence-based verdict on the debate.

**Analytical web apps** | Python, Streamlit, Google Gemini

**AI Business Insights Generator:** [GitHub](#)

<https://business-insights-ai.streamlit.app/>

Takes user-defined topic and generates structured strategic frameworks, including SWOT analysis, market trends, competitive summaries.

**News Research Analyst:** [GitHub](#)

<https://news-analyst1.streamlit.app/>

Takes live article URLs, scrapes and parses content using the newspaper3k library and performs a multi-perspective analysis to identify media bias and key talking points.