

TOHEED AKHTAR

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Education

Techno India NJR Institute of Technology, Udaipur

B.Tech in Computer Science & Engineering

2022 - 2026

8.0/10 CGPA

Work Experience

Chirpn AI

AI/ML Intern

March 2025 – Present

Remote

- Implemented coding & github agentic workflow in Superagi
- Created **Coding, Github, Jira tools & agents** from scratch using Crewai
- Improved workflow performance by **80%**
- **reduced token usage by agents by 85%.**
- Created **MCP** and its tools for github, jira and file operation.
- Integrated MCP server into workflows using **custom adapters.**
- Also worked on **support automation, OCR, Vision Models.**

IBM

Data Analyst - Intern

Jun 2023 – Sep 2023

Remote

- Trained multiple models
- Prepared and processed datasets to 99% completeness and consistency
- stack used: **jupyter, Pandas** for data analysis, **sklearn** for building models.
- Collaborated with teams and made a music recommender system

Projects

llm-scratch: Built an LLM from scratch in python and PyTorch.

[Source Code](#)

- Built an LLM from tokenization to fine-tuning in **Python, and PyTorch.**
- Trained a **127M** model on **CPU.**
- Scored **46.8%** against **Llama3-8b.**

beatSync : KNN based music recommender

[Source Code](#)

- Model trained on **3200** songs.
- Uses features such as **Dancebility, Energy & Popularity.**
- Built using **ReactJS, Flask, Sklearn** and deployed using **Vercel and Render.**

RDR2-Journal : Advanced Book Rendering

[Source Code](#)

- Replica of Journal from the game **RDR2**
- **Advanced book rendering using ReactJS, Tailwind and TypeScript.**
- Loved by **RDR2 community online.**

Semantic-chunking-yt: extract meaningful segments from YouTube

[Source Code](#)

- Takes url of YouTube video and gives meaningful segments with timestamps.
- Built using **HuggingFace, PyTorch, Python.**
- Deployed on **HFSpaces** using **Gradio.**

Technical Skills

Languages: Python, C, C++, JavaScript, TypeScript

ML: PyTorch, TensorFlow, sickit-learn, NumPy, Pandasm Matplotlib

Backend: Django, Node.js, Express.js, Flask

Frontend: React, Angular, TailwindCSS, HTML, CSS, Bootstrap

Clouds & Databases: GCP, SQL, MongoDB

Developer Tools: Postman, VS Code, GitHub, Jupyter

Achievements

Lenden's TMP: Runner up in Problem Statement to build Multilingual AI Sales Assistant.

Logithon'25 IITB Finalist: Finalist/Top 5 of India's Biggest logistics hackathon held at IIT Bombay

Under 300th builder: 318th builder globally in buildspace S3

SIH : Internal SIH 2024 winners out of 32 teams.