

TOHEED AKHTAR

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Education

Techno India NJR Institute of Technology, Udaipur

2022 - 2026

B.Tech in Computer Science & Engineering

8.0/10 CGPA

Work Experience

buildspace (backed by Y-Combinator)

Aug 2023 – Sep 2023

Full Stack Apprentice

Remote

- Ranked under 300 global builders
- Built multiple Full stack apps
- stack used: **React.js**, **TailwindCSS**, **Bootstrap CSS** for UI, **Node.js/Express.js/Django** for backend.
- Built advanced eBook Reader app using Django, BootstrapCSS
- Built a poll app to vote trust in current ai using Django and TailwindCSS
- Connected with senior engineers from **FAANG and startups across the globe**, I learned real world software development, deployment and engaging with users.

IBM

Jun 2023 – Sep 2023

Data Analyst - Intern

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 **Danceability**, **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

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

SIH : Internal SIH 2024 winners out of 32 teams.