# Toheed Akhtar

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📍 Saweena, Udaipur, Rajasthan, India

## Experience

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| **Data Analytics intern** | IBM | 06/2023 - 09/2023 |

- Prepared dataset to 99% completeness and consistency.
- Collaborated with teams to get model accuracy to 95%.

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| **Apprenticeship** | buildspace | 08/2023 - 09/2023 |

- Designed and deployed an Idea from 0 to 100%.
- Built Full-stack webapps in 6 weeks and gained more than 100 users, with 1500% increase in impressions.

## Projects

P1 **Transfomer Implementation from scratch**

Implemented a transformer based bigram model and trained on small params based on Attenion is all you need paper. Managed to bring loss down to 1.9841 and 2.0911.
**Tools** : Python , PyTorch, Colab, Jupyter.

P2 **beatSync - knn based music recommender** | **GitHub**

Built a full stack ml music recommender, recommendes based on a song's 13 different features.
**Tools** : ReactJS, TailwindCSS, Flask, Vercel, Render, Jupyter.

P3 **Pixbook - realistic eBook reader** | **GitHub**

Full stack Epub-reader which allows to read ebooks like they were real using advanced rendering, Had 1000+ views in a single day.
**Tools** : Python , Django, JS, SQLite, Bootstrap CSS, pythonanywhere

P4 **Semantic-chunker-youtube** | **GitHub**

NLP Project to extract meaningful segments (text) with timestamps from a youtube video (url), with latency of 8sec/min of video.
**Tools** : pytorch, huggingFace, HFSpaces

- **epub-parser, cmdto, miningGPT, and more on GitHub**

## Education

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| **Techno India NJR Institute of Technology** | Biliya, Rajasthan |
| B.Tech in Computer Science / 7.8 CGPA | 09/2022 - 04/2026 |
| **ST. Teresa Vidya Deep Sr. Sec. School, Sec-14** | Udaipur, Rajasthan |
| K.G. - XII (PCM) | 09/2008 - 03/2022 |

## Skills

**Programming Languages:** 🐍 Python, JavaScript / TS TypeScript / HTML / CSS, C C / C++ C++ / bash

**Tools and Frameworks:** Git, PyTorch, ReactJS, SQL, MongoDB MYSQL, SQLite, scikit-learn, Pandas, NumPy, Matlab, Seaborn, Linux, Django, Fastai, HfSpaces , XML

**Soft-skills:** Clear communication, Teamwork, problem-solving, Leadership

**Languages:** Hindi (native), English (proficient) , Arabic / Urdu (Elementary)