

# Afroj Mirza

Bachelor of Technology  
CSMSS Chh. Shahu College Of Engineering, Aurangabad

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## EDUCATION

### • Bachelor of Technology in Artificial Intelligence and Data Science

CSMSS Chh. Shahu College Of Engineering, Aurangabad

2020-24

CGPA: 8.03

## EXPERIENCE

### • Artificial Intelligence Intern Infosys Springboard

August 2024 - December 2024

- Developed a Streamlit-based application using **Google Generative AI** to generate image descriptions, translate text into multiple languages, and provide **voice synthesis**.
- Delivered over **90% accurate** AI-generated image captions and **multilingual translations** across 7 languages.
- Enhanced user experience by integrating **pyttsx3** for real-time **text-to-speech** functionality with customizable voices.
- **Technologies Used:** Python, Streamlit, Google Generative AI, Google Translate API, pyttsx3.

### • Question-Answering System with Pre-Trained BERT Model

Developed a **BERT**-based question-answering system achieving **85 % accuracy** in extracting answers from context.

- Implemented a **BERT-based pipeline** to handle NLP tasks, improving question-answering **efficiency by 30%**.
- **Fine-tuned** the model using the SQuAD dataset, resulting in a **20% improvement** in answer precision and contextual understanding.
- **Technologies Used:** Python, BERT, Transformers, PyTorch, NLP.

### • Data Scientist Intern Evoastra Ventures Pvt Ltd

July - August 2024

- Developed an **AI-driven LinkedIn post generator**, achieving 95% accuracy in metadata extraction (topic, length, language) using few-shot learning.
- Built a **backend** with **LangChain** and **Groq API**, generating posts that reduced manual drafting time by over 70%.
- Implemented algorithms for metadata extraction and tag unification, improving categorization consistency by 60%.

### – AI-Enhanced ATS Resume Optimizer for Tech Roles

Built "**Smart ATS**" with **Streamlit** and **Google Generative AI**, boosting resume compatibility **accuracy by 85%**.

- \* Integrated PDF parsing with **PyPDF2**, streamlining resume **text extraction** and analysis to increase processing **speed by 60%**.
- \* Implemented percentage-based matching and keyword extraction via **LLMChain**, improving targeted feedback **accuracy by 70%**.
- \* Delivered structured, actionable outputs to boost ATS resume alignment, achieving a **40% increase** in interview selection rates.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Python, SQL, HTML, CSS,

**Libraries :** Pandas, Numpy, matplotlib, seaborn, scikit-learn, Transformers (**Hugging Face**).

**Frameworks:** TensorFlow, Keras, Flask, Streamlit, LangChain, **LLMChain - Prompt Engineering**.

**Tools:** Power BI, MS Excel, Git, GitHub, Google Generative AI, **OpenAI API**, **LLaMA**, **Groq**.

**Cloud/Databases:** Microsoft Azure (Computer Vision, Databricks, Synapse Analytics), Google Cloud (Translate API, Generative AI, **Gemini AI**).

**Relevant Coursework:** Operating Systems, Object Oriented Programming, Database Management System, Data Engineering, Data Analytics, Natural Language Processing.

## POSITIONS OF RESPONSIBILITY

### • Blood Donation Camp Volunteer On the occasion of birth anniversary of freedom fighters.

- Educated donors on the impact of blood donation, leading to a 30% increase in participation and a rise in repeat donations by 20%.
- We gather 30-40 units of blood at every donation event.

## CERTIFICATION'S

### • NPTEL Data Analytics with Python.

- DeepLearning.AI Supervised Machine Learning: Regression and Classification.
- LinkedIn.Learning : Python for Students
- Simplilearn : Data Science with Python
- AWS Academy : Introduction to Cloud Semester I