

# Muzammil Aftab

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## SUMMARY

Frontend Developer | B.Tech Graduate | Machine Learning

B.Tech graduate (2024) with expertise in HTML, CSS, Python, and MySQL. Certified in web development and skilled in Pandas, NumPy, Matplotlib, Seaborn. Developed ImagineX, an AI-driven text-to-image generation project using Python, Flask, and Stable Diffusion. Passionate about frontend development and machine Learning.

## EDUCATION

**Future Institute of Engineering and Management (Under MAKAUT)** Kolkata - WB  
Bachelor of Technology in Information Technology **2020 - 2024**  
CGPA - 8.54

**St. Thomas' Day School** Kolkata - WB  
Higher Secondary Education **2017 - 2018**  
Percent - 60.67%

**The Park English School** Kolkata - WB  
Secondary Education **2015 - 2016**  
Percent - 64%

## SKILLS

**Languages:** Python, C Programming

**Data Analysis & Visualization:** Excel, Matplotlib, Seaborn

**Machine Learning:** Supervised & Unsupervised & Regression Learning

**Database Management:** MySQL

**Soft Skills:** Problem-Solving, Critical Thinking, Communication Attention to Detail

## PROJECTS

### ImagineX - Text to Image ( Python, MySQL, NLP, Stable Diffusion )

- Text-to-image generation use pre-defined neural networks to create images from text descriptions. It starts with random noise and iteratively refines it, guided by text embeddings from a CLIP encoder and a U-Net model, to produce an image matching the text prompt.
- We have developed around 70% and are improving accuracy through continuous training of the datasets.

### Movie Recommendation System ( Python, Pandas, NumPy, NLP) [Source Code](#)

- Developed a content-based movie recommendation system using Python, NLP, and Scikit-learn, leveraging cosine similarity for recommendations.
- Built a Streamlit web app that integrates the TMDb API to display movie posters alongside recommendations.
- Applied CountVectorizer for text feature extraction and stemming to enhance similarity detection.

### Personal Portfolio ( HTML, CSS, JavaScript ) [Link](#)

- Designed and developed a fully responsive and interactive personal portfolio website using HTML, CSS, and JavaScript to showcase skills, projects, and contact information. Implemented a dark mode toggle with JavaScript for an enhanced user experience and improved accessibility.
- Developed a contact form with Web3Forms API, enabling secure and efficient message handling. Utilized Typed.js for dynamic text animation and ScrollReveal.js for smooth scrolling effects, improving website interactivity.

## CERTIFICATIONS

- **Python Programming Intern** - CipherBytes Technologies **Jul 2023 - Aug 2023**
- **Web Development Intern** - Academor **Jan 2023 - Feb 2023**

## LANGUAGE

- English
- Hindi
- Spanish