

# 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, and Tableau/Power BI. Developed ImagineX, an AI-driven text-to-image generation project using Python, Flask, and Stable Diffusion. Passionate about frontend development, AI, and data visualization.

## EDUCATION

<b>Future Institute of Engineering and Management (Under MAKAUT)</b> Bachelor of Technology in Information Technology CGPA - 8.54	Kolkata - WB <b>2020 - 2024</b>
<b>St. Thomas' Day School</b> Higher Secondary Education Percent - 60.67%	Kolkata - WB <b>2017 - 2018</b>
<b>The Park English School</b> Secondary Education Percent - 64%	Kolkata - WB <b>2015 - 2016</b>

## SKILLS

**Languages:** Python, SQL  
**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 )

- Test-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.

### Weather Forecast App ( HTML, CSS, JavaScript )

- Designed and launched an advanced weather forecast application that dynamically integrates real-time weather data, including conditions, temperature, humidity, and wind speed, leading to a 40% boost in user engagement through a timestamped interface for each of the next 7 days.
- Extracted and visualized current and forecasted weather data using a weather API, tailored to user specified or default locations, resulting in a 25% increase in user retention and satisfaction.

### Personal Portfolio ( HTML, CSS, JavaScript )

- 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

- |   |                            |
|---|----------------------------|
| • <b>Python Programming Intern</b> - CipherBytes Technologies | <b>Jul 2023 - Aug 2023</b> |
| • <b>Web Development Intern</b> - Academor                    | <b>Jan 2023 - Feb 2023</b> |

## LANGUAGE

- |           |         |           |
|-----------|---------|-----------|
| • English | • Hindi | • Spanish |
|-----------|---------|-----------|