**MEHNAZ SHAFEEK**

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**EDUCATION**

**VIT BHOPAL UNIVERSITY** Bhopal, Madhya Pradesh

**Bachelor of Engineering** Expected June 2026

Major in Computer Science with specialisation in Health Informatics

Cumulative GPA: 8.5

**ABU DHABI INDIAN SCHOOL-AL WATHBA** Abu dhabi, U.A.E

Completed Higher Secondary Education (Science Stream) under CBSE with **88%**. March 2019 - March 2021

**BRIGHT RIDERS SCHOOL - ABU DHABI** Abu dhabi, U.A.E

Completed Secondary Education (Science Stream) under CBSE with **90 %**. March 2018 - 2019

**PROJECT**

**Web Development for Lung Transplant**

August 2023 – December 2023

* Developed a responsive web platform to streamline the lung transplantation process, focusing on patient data management and donor-recipient matching. Implemented dynamic features using HTML, CSS, JavaScript, and PHP to enhance user experience and enable secure, real-time access to medical data.

**Malarial Parasite Detection using YOLO**

February 2024 - June 2024

* Preprocessed and annotated a dataset of 1,000 microscopic images for training a YOLOv4-based object detection model to identify malarial parasites in red blood cells. Trained the model using Darknet framework, achieving a detection accuracy of 55%.

**Cold Email Generator**

On going

* Developed a Retrieval-Augmented Generation (RAG) system integrating Llama 3.1, LangChain, and ChromaDB.. Built and deployed a full-stack Generative AI application utilizing Streamlit for the user interface, facilitating real-time interaction with the Llama 3.1 model for tasks automation of cold email.

**CERTIFICATIONS**

* HTML, CSS, and Javascript for Web Developers BY JOHN HOPKINS UNIVERSITY
* Cyber Security Analyst - IBM
* Data Science with Python - Finlatics

**CO-CURRICULAR ACTIVITIES**

* Secured 3rd  Place in hackathon - FLUXUS 25 by IIT-Indore .
* CONTENT WRITER - STATS-O-LOCKED

Served as a content writer for the club, creating engaging and informative articles.

* MEDIA TEAM - MOZILLA FIREFOX CLUB

Contributed to the Mozilla Firefox Club’s media team by creating and editing reels, drafting social media posts and preparing reports.

**EXTRA-CURRICULAR ACTIVITIES**

* Anchored three events by MALAYAM CLUB
* Actively participated in dance and drama performances.