

MEHNAZ SHAFEEK

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Engineering

Major in Computer Science with specialization in Health Informatics

Cumulative GPA: 8.5

Bhopal, Madhya Pradesh

Expected June 2026

ABU DHABI INDIAN SCHOOL-AL WATHBA

Completed Higher Secondary Education (Science Stream) under CBSE with **88%**.

Abu Dhabi, U.A.E

March 2019 - March 2021

BRIGHT RIDERS SCHOOL - ABU DHABI

Completed Secondary Education under CBSE with **90 %**.

Abu Dhabi, U.A.E

March 2018 - 2019

PROJECTS

MentalHealth Mate

June 2024 – May 2025

- Developed a full-stack web application for mental health support, featuring real-time appointment scheduling, resource access, and emergency assistance, with 1,000+ registered users and 500+ monthly resource views.
- Built using React.js, Node.js, Express.js, and MySQL; implemented secure JWT-based authentication, chatbot integration, and dynamic scheduling features.
- Achieved 95% appointment accuracy, 40% reduction in therapist scheduling time, and maintained an average user satisfaction rating of 4.6/5.

Malarial Parasite Detection using YOLO

February – May 2024

- Designed an AI-based diagnostic system (*Plasmodium-Net*) for classifying Plasmodium falciparum and Plasmodium vivax from thick smear microscopy images at image and patient level.
- Utilized YOLO, Roboflow, and Python (via PyCharm) for image preprocessing, annotation, and training on a dataset of 1,500+ manually labeled images from Chittagong Medical College Hospital, Bangladesh
- Achieved a diagnostic accuracy of 67%, demonstrating the model's effectiveness in real-world detection scenarios.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python.
- **Skills:** MERN stack and SQL.
- **Data Analytics:** Power Bi, Excel
- **Tools and Libraries:** Git, VS Code, React.js, Express.js.

CERTIFICATIONS

- Cyber Security Analyst – IBM
- Gen AI using IBM Watsonx

CO-CURRICULAR ACTIVITIES

- Secured 3rd - Place in Healthcare Management System at FLUXUS 25 by IIT-Indore.
- Served as a writer for Stats-O-Locked, producing concise and insightful articles on data-driven topics.
- Contributed to the Mozilla Firefox Club by handling visual content creation, social media communication, and event documentation.