MEHNAZ SHAFEEK

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EDUCATION

VIT BHOPAL UNIVERSITY   Bhopal, Madhya Pradesh
Bachelor of Engineering   Expected June 2026
Majoring in Computer Science with specialization in Health Informatics
Cumulative GPA: 8.51

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 under CBSE with **90.6 %**.   March 2018 - March 2019

TECHNICAL SKILLS

- Programming Languages: Java, Python , Html ,CSS, JavaScript
- Databases : SQL, PSQL , NoSQL ,MongoDB
- Tools and Libraries: Power BI, Excel, Git, GitHub, Version Control,Bootstrap

PROJECTS

MentalHealth Mate
Tech Stack: React.js, Node.js, Express.js, MySQL, JWT, Bootstrap
- Developed a mental health platform using React, Node.js, Express, and MySQL, incorporating secure JWT-based authentication for role-based user login.
- Engineered a calendar-integrated booking system enabling therapists and clients to schedule sessions dynamically with real-time availability.
- Integrated email reminder triggers, responsive design using Bootstrap, and structured backend APIs to manage sessions, feedback, and user data.

Malarial Parasite Detection using YOLO -
Tech Stack: Python, YOLOv5, Roboflow, PyCharm, OpenCV
- Built an object detection model in YOLOv5, trained using Roboflow pipelines and managed via PyCharm, targeting parasitic cells in blood smear images.
- Processed, cleaned, and annotated 1,500+ microscopic images from Chittagong Medical College Hospital to create a reliable training dataset.
- Achieved 67% diagnostic accuracy, validating the model's potential use in assisting medical experts in resource-limited clinical environments.
- Performed image preprocessing, data augmentation, and bounding box tuning to improve model robustness and generalization for unseen samples.

CERTIFICATIONS

- Cyber Security Analyst – IBM Watsonx
- Data Science with Python – Finlatics
- HTML,CSS,Javascript – John Hopkins University

CO-CURRICULAR ACTIVITIES

- Secured 3rd - Place in Healthcare Management System at FLUXUS 25 by IIT-Indore.
- Solved 200+ questions on LeetCode.
- Anchored and coordinated 3 events organized by the Malayalam Club.
- 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