

MOHAMMAD SAHAD

☎ +91 6363024288 ✉ msahad124@gmail.com [in LinkedIn](#) [Github](#) [Portfolio](#)

About Me

A dedicated Computer Science student with a solid grounding in algorithms, data structures, and full-stack development. Skilled in building scalable systems and tackling real-world problems through hackathons. Passionate about technology, eager to apply skills to impactful projects, and committed to continuous learning in software engineering and web development.

Education

Bearys Institute Of Technology

B.Tech in Computer Science & Engineering

2021 - 2024

7.8/10 CGPA

Projects

Personalized Patient Management Application

[Source Code](#) [View Live](#)

- Built a **personalized patient management app** for a local doctor using the latest **Next.js Server Actions**, **Prisma**, and **MongoDB** for efficient data handling and storage.
- Implemented features for **patient record management**, real-time data updates, and dynamic form fields, tailored for streamlined clinic operations.

Virtual Mouse Using Hand Gestures

[Source Code](#) [View Live](#)

- Developed a **virtual mouse** application using **Flask** and **React**, integrating **MediaPipe** for hand gesture recognition and **PyAutoGUI** for mouse control.
- Implemented real-time video streaming and gesture processing with **Socket.IO**, ensuring smooth and responsive interactions.

Personalized Finance Dashboard

[Source Code](#) [View Live](#)

- Developed a **MERN stack** dashboard that collects and visualizes a company's revenue using the **Recharts** library, and implemented **Regression JS** for machine learning predictions of next year's revenue.
- Integrated the **ChatGPT API** to offer personalized AI-driven financial advice, enhancing the user experience with insightful recommendations.

Technical Skills

Languages: Python, Java, JavaScript, Liquid

Backend: Next.js, Django, Node.js, Express.js

Frontend: React, TailwindCSS, HTML, CSS, Bootstrap

Clouds & Databases: AWS, PostgreSQL, MongoDB

Web Technologies: Docker, Socket.IO, Redis

Developer Tools: Postman, VS Code, GitHub

Professional Experience/Achievements

- Secured **First Place** in the **College Project Exhibition** with a **Smart Attendance System** using computer vision and automation techniques.
- Successfully developed a **Patient Management System** for a client, incorporating features for managing patient data, dynamic forms, and medical history tracking.
- Built an **E-commerce platform** for a client, integrating product listing, cart functionalities, and a seamless checkout experience.
- Solved **100+ LeetCode problems**, honing data structures and algorithms skills.
- Shortlisted for **East India's Largest Hackathon**, showcasing innovative problem-solving and technical skills.