



SYED MD. SAAD

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<https://github.com/SYEDMDSAAD>



08/12/2002



Indian

SKILLS

- Data Structures & Algorithms
- DBMS
- Object Oriented Programming
- Discrete Mathematics
- Problem Solving
- Communication
- Critical Thinking
- Team Player

PROFESSIONAL SUMMARY

Hardworking, highly motivated professional eager to lend combined knowledge and skills to enhance business performance. Operates well in both individual and team capacities, leveraging seasoned work ethic to quickly adapt to different processes and drive company objectives. Resourceful and results-driven with a passion for growth and efficiency to meet company needs and increase service value.

Ambitious individual with strong organizational and multitasking skills, as well as an aptitude for technology. Ready to apply knowledge and skills to any challenge.

EDUCATION

Expected graduation June 2026

Bachelor's in Information Technology in Information Technology

Candidate GPA 8.84

PUNE INSTITUTE OF COMPUTER TECHNOLOGY, Pune

2021

HSC, Aurangabad GPA 9.89

SAROSH JUNIOR COLLEGE, Aurangabad

2019

CBSE, Parbhani GPA 9.64

QUEENS ENGLISH HIGH SCHOOL, Parbhani

PUBICATIONS

Yoga Pose Detection and Correction System enables real-time posture analysis and corrective feedback for Yoga practitioners. By combining **MediaPipe** Pose estimation with **CNN, XGBoost, and SVM**, the system accurately classifies postures and suggests alignment corrections. Leveraging computer vision and deep learning, it offers a scalable solution for healthcare and fitness, bridging the gap between traditional Yoga and modern technology to make guided practice more accessible and reliable.

Tech Stack: Python | MediaPipe | OpenCV | Machine Learning (CNN, XGBoost, SVM) | Real-Time Pose Estimation | **PUBLISHED AT IEEE (ICCCNT 2025).**

Paper Link: <https://jumpshare.com/share/cpHCMOGbEYQui4Xd5UDs>

Certificate Link:

<https://jumpshare.com/share/HM7y2H8HbsOymtFFVIKC?b=V6Wwervw6AxdRNDfVdtK>

- Proactive and Optimistic
- Calm Under Pressure
- Social Perceptiveness
- Customer Relations
- Flexible and Adaptable
- Verbal Communication
- Task Prioritization

WEB

- HTML/CSS
- PHP
- JavaScript
- React

DATABASE

- MySQL
- MongoDB
- PostgreSQL

PROGRAMMING LANGUAGES

- C
- C++
- JAVA
- Python

CORE SUBJECTS

- OS
- Linux
- DBMS
- DSA
- OOP

PROJECTS

1. Chat-App

The Real-Time Chat Application is designed to facilitate seamless and secure messaging with real-time updates and robust authentication. By leveraging JWT-based authentication and authorization, it ensures secure access control, while Socket.io enables instant message delivery and online user status tracking. Zustand manages the global state efficiently, keeping the application responsive and scalable. This chat app provides a modern, real-time communication experience with security and performance at its core.

Tech Stack: MERN | Socket.io | TailwindCSS | Daisy UI

Project Link: <https://chat-s-io.onrender.com/>

2. Sentiment Analysis

The Sentiment Analysis Service empowers the application with intelligent feedback interpretation by leveraging AWS Comprehend's advanced natural language processing capabilities. User messages are analyzed in real time via a secure Flask API, which communicates directly with AWS Comprehend to detect sentiment with high accuracy. The integration ensures privacy and reliability by using environment-based credential management and robust error handling. This service seamlessly connects with the Java Spring Boot backend, providing actionable sentiment insights that enhance user engagement and enable data-driven decision-making. The architecture is designed for scalability, security, and ease of integration with modern web applications.

Tech Stack:

Java Spring Boot | Python Flask | AWS Comprehend (boto3) | REST API

Project Link: <https://github.com/SYEDMDSAAD/SentimentAnalysis/>

3. Cryptography

Implemented a secure client-server communication system using Java SSL/TLS sockets with hybrid cryptography. Integrated TLS 1.2 with ECDHE-RSA key exchange and AES-256-GCM encryption to ensure confidentiality, integrity, and perfect forward secrecy. Designed custom certificate-based authentication using Java Keystore and X.509 certificates, supporting secure handshake and session establishment. Applied cryptographic principles such as asymmetric encryption (RSA), symmetric encryption (AES-GCM), secure random key generation, and GCM-based message integrity checks. The architecture provides end-to-end encryption and is designed for scalability, low latency, and secure transmission of sensitive data over public networks.

Tech Stack: Java (JDK 17+), JSSE, JCA, TLS 1.2, AES-256-GCM, RSA, X.509, Java KeyStore, Base64, Custom SSL Sockets.

Project Link: <https://github.com/SYEDMDSAAD/Cryptography/>

4. Food Reservation System

The Food Reservation System is designed to provide a seamless experience for customers to book tables and order meals at their favorite restaurants. With an intuitive user interface, it allows diners to browse available slots, make reservations, and receive confirmation instantly. Robust error handling on both the server and client side ensures smooth functionality, preventing booking conflicts and ensuring accurate order management. This system enhances the dining experience by offering a hassle-free way to plan meals and streamline restaurant operations efficiently.

Tech Stack: MERN

Project Link: <https://rest-frontend-b3wu.vercel.app/>

5. Portfolio

A Portfolio website designed and developed to showcase a range of personal and professional projects. This portfolio website serves as a comprehensive platform to highlight skills, achievements, and work samples. Created to provide a clear and engaging presentation of my work, this site aims to demonstrate my abilities in web development and design, offering visitors an insight into my expertise and creativity.

Tech Stack: HTML | JAVASCRIPT | CSS

Project Link: <https://syedmdsaad.github.io/Portfolio/>

6. E-Commerce Website

An E-Commerce website designed and developed to provide an intuitive and seamless online shopping experience. It serves as a comprehensive platform for showcasing a diverse range of products, enabling users to browse, compare, and purchase items with ease. With a focus on user-friendly navigation and attractive product displays, the site aims to enhance customer engagement and satisfaction. Key features include secure payment integration and different functionalities.

Tech Stack: HTML | JAVASCRIPT | CSS

Project Link: <https://enchanted-faun-bc2adc.netlify.app/>

7. Emotional Driven Music Recommender

The Emotion-Driven Music Recommender designed to suggest Spotify songs based on real-time emotion detection through facial scanning. By analyzing a user's facial expressions, this tool identifies their emotional state and curates music that resonates with their current mood, helping them feel understood and uplifted through personalized song recommendations.

Tech Stack: Python

Repo Link:

<https://github.com/SYEDMDSAAD/EmotionalDrivenMusicRecommender>

8. **Carbon Footprint Calculator**

Designed and developed in order to calculate the carbon dioxide equivalents (CO₂e), emitted directly and indirectly by an individual, organization, event, or product over a specific period. Created in order to make people save the environment by understanding it.

Tech Stack: HTML | JAVASCRIPT | CSS

Project Link: <https://trackmycarbon.software/>

9. **Law Chatbot**

Created the front end for the web application that helps and make things easier for the user in the complicated area of law, also helps them to understand the complete details of the case they are involved in.

The model introduces a dialogue system chatbot created to provide legal information. Powered by advanced large language models(LLMs) and a comprehensive database of legal knowledge, the chatbot of a revolutionary solution to individuals and businesses complex legal matters.

Tech Stack: HTML | JAVASCRIPT | CSS | PYTHON

Repo Link: <https://github.com/SmitDeshmukh16/legalchatbot>

10. **Hospital Management System**

The Hospital Management System provides a seamless platform for patients to log in, book appointments, and communicate with healthcare providers. With an intuitive interface, users can schedule consultations and send messages effortlessly. The admin panel enables efficient management of appointments, messages, and doctor records, ensuring smooth hospital operations. Robust error handling ensures reliability, preventing scheduling conflicts and maintaining accurate patient records for an optimized healthcare experience.

Tech Stack: MERN

Project Link: <https://github.com/SYEDMDSAAD/HMS>