



MASUD SAMAD SHAIKH

B.E. - Information Technology

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BRIEF SUMMARY

Passionate about building scalable solutions and solving complex problems through code. With a strong foundation in algorithms, data structures, and mathematical modeling, with proven experience in developing efficient software systems. Continuously exploring new technologies to drive innovation and create meaningful impact. My goal is to excel in diagnosing and solving real-world problems, ultimately contributing to the organization as a dedicated and valuable team member.

KEY EXPERTISE

Problem Solving Software Development Data Structures Algorithms Java MySQL AWS SpringBoot
Microservices Docker Git/Github MongoDB Javascript React Express.js Python Django Flask
Machine Learning Flutter Firebase

EDUCATION

Don Bosco Institute of Technology Mumbai

2022 - 2026

B.E. - Information Technology | CGPA: 9.22 / 10

Maharashtra College, Mumbai

2022

12th | HSC | Percentage: 82.50 / 100

New Habib High School

2020

10th | SSC | Percentage: 85.20 / 100

INTERSHIPS

Don Bosco Institute of Technology

01 Aug, 2024 - 02 May, 2025

Web Developer

- Developed and maintained the IT Department website using HTML, CSS, and JavaScript, ensuring a smooth and responsive user experience across various devices and browsers.
- Collaborated with the team to implement new frontend features, including interactive elements and UI improvements, enhancing overall usability and accessibility of the website.
- Optimized frontend performance by streamlining code and improving loading speeds, resulting in a more efficient and user-friendly website.

PROJECTS

Academix

Mentor: Prof. Prasad Padalkar | Team Size: 4

Key Skills: Javascript React.js MongoDB Express.js

Project Link: <https://github.com/ShaiKhMasud/Academix>

- Developed a MERN stack-based analytical web application, Academix, to calculate attainment levels for course outcomes (CO) and program outcomes (PO) as per NAAC-provided Criteria.
- Optimized database queries and implemented scalable architecture to handle large datasets efficiently.
- Awarded 2nd prize in the InnoQuest competition for developing Academix, recognized for its innovative approach to academic performance analysis.

Plant Disease Recognition System

Team Size: 1

Key Skills: Computer Vision Transfer Learning Python Flask

Project Link: <https://github.com/ShaiKhMasud/Plant-Disease-Recognition-System>

- Built a deep learning model using EfficientNetB4 and Transfer Learning on the PlantVillage dataset, achieving 97% test accuracy for classifying 39 plant diseases.
- Developed a Flask-based web application that enables users to upload leaf images and receive real-time disease predictions.
- Optimized model performance with data augmentation, learning rate scheduling, and fine-tuning strategies, ensuring high accuracy on controlled image data.

Social Media Addiction Classifier

Mentor: Prof. Sunantha Krishnan | **Team Size:** 4

Key Skills: Machine Learning Python Django EDA

Project Link: https://github.com/ShaiikhMasud/Social_media_addiction_Prediction

- Developed a machine learning model to predict the risk of social media addiction, achieving 93% accuracy using behavioral and psychological user data.
- Conducted comprehensive exploratory data analysis (EDA) and implemented secure preprocessing techniques to maintain the integrity and confidentiality of sensitive information.
- Designed and deployed a Django-based web application that allows users to input relevant data and receive real-time predictions of their social media addiction risk, along with personalized recommendations.

GeoAttendance

Mentor: Prof. Shiv Negi | **Team Size:** 3

Key Skills: Django OpenCV Python HTML CSS

Project Link: <https://github.com/ShaiikhMasud/Geofencing-attendance-system>

- Created a web application using Django, Mapbox API, and OpenCV to manage attendance within a geofenced area, ensuring students mark attendance only within a designated perimeter.
- Utilized OpenCV and JavaScript's Quagga library for efficient barcode scanning, enhancing the security and accuracy of the attendance process.
- Designed a comprehensive user management system with the ability to analyze attendance records, providing valuable insights and reporting for administrators.

ACHIEVEMENTS

- Awarded 2nd place at InnoQuest, our college's Mini Project Exhibition.
- Awarded for securing the highest marks in SSC.
- Ranked 1st in Semester 5 and Ranked 3rd in Semester 4 based on CGPA performance in the undergraduate program

ASSESSMENTS / CERTIFICATIONS

Google AI/ML Virtual Internship Certificate

Key Skills: TensorFlow Convolutional Neural networks Object detection

Palo Alto Cybersecurity Virtual Internship Certificate

Key Skills: Cybersecurity fundamentals Network security Cloud security basics

TryHackMe Advent of Cyber 2024 Certificate

Key Skills: Network security Linux commands Cryptography

Career Essentials in Generative AI by Microsoft and LinkedIn

Key Skills: Generative AI Technique Selection

Cisco CCNA Packet Tracer

Key Skills: Networking basics Subnetting Routing

CO-CURRICULAR ACTIVITIES

- Created Ansible playbooks and configured lab PCs to automate software setup across multiple machines.
- Developed "Zombie Car Driving" a 3D survival game in Unity with obstacles, car controls, and immersive gameplay mechanics.

PERSONAL INTERESTS / HOBBIES

- Chess
- Sketching

WEB LINKS

- Github - <https://github.com/ShaiikhMasud>
- Personal - <https://shaikhmasud.github.io>
- Other - <https://leetcode.com/u/ShaiikhMasud>