

Sarfaraj Molla

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EDUCATION

Techno India University, West Bengal. <i>B-Tech Computer Science and Engineering, CGPA: 7.82</i>	West Bengal, India 2021 - 2025
H.S. Memorial School <i>I.S.C Board: 84.50%</i>	West Bengal, India 2020 - 2021
H.S. Memorial School <i>I.C.S.E Board: 70.80%</i>	West Bengal, India Till 2019

EXPERIENCE & EXTRACURRICULARS

Participate in IOT Exposition Competition Certificate Link Personalized Smart Fragrance diffuser with Face Emotion Detection <i>Python, OpenCV, TensorFlow.</i>	July 2024 - Present Remote Github Repo
<ul style="list-style-type: none">It spread fragrance according to your face emotion like happy, sad and angry.RGB Light Function, 3 Spray Heads, Filter Type: Wick, Capacity 600 milliliters (each Fragrance pod of 200ml).It Work also as a Humidifier and refreshes the air with Fragrance with your personalized choice.	
AICTE – Virtual Internship <i>AI/ML Intern</i> Certificate Link	April. 2024 - June 2024 Remote
<ul style="list-style-type: none">Tech used: Python, TensorFlow, OpenCV, Google Cloud AI.Developed and optimized machine learning models for real-world applications.Worked on AI-driven solutions such as image classification and NLP-based sentiment analysis.Explored cloud-based model deployment and ethical AI best practices.	
ONI Cares <i>Frontend Developer Intern</i>	Feb. 2023 - May 2023 Remote
<ul style="list-style-type: none">Tech used: ReactJS, Redux, AWS(S3).Revamped the UI of the ONI admin portal which is used by the company's Business Development team to keep track of their data.Created a search feature that helps users to find hospitals and doctors around them by applying several filters.	
AICTE – Virtual Internship <i>Network Security Associate Intern</i> Certificate Link	Jan. 2024 - March 2024 Remote
<ul style="list-style-type: none">Tech used: Wireshark, Kali Linux, Metasploit, Cloud Security Tools.Gained hands-on experience in network security fundamentals and threat analysis.Conducted vulnerability assessments and implemented security measures to mitigate risks.Explored ethical hacking techniques and security best practices for enterprise networks.	

PROJECTS

Invoice Web App <i>ReactJS, NextJS, MongoDB, CSS, Tailwind CSS</i>	Github Repo
<ul style="list-style-type: none">A MERN stack web app that allows users to create invoices and view them in a descriptive UI.These invoices can be sent to whom it is issued via email using nodemailer.The invoice data is stored in a JSON format in the database.	
Gesture Detector <i>Python, OpenCV, TensorFlow</i>	Github Repo
<ul style="list-style-type: none">Uses TensorFlow object detection to determine hand gestures.Image collection script uses camera to record data and also handles labelling.Training and detection script uses a pre-trained model on the captured data.	
Photo Sharing Web App <i>ReactJS, NodeJS, MongoDB, Heroku</i>	Github Repo
<ul style="list-style-type: none">A MERN stack application that allows users to create a profile and share posts/locations, view them on map and check out other profiles.Built the entire backend using NodeJS with Express that stores data in MongoDB.Used Maps API to get the location of places using coordinates.	

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS, C, C++.

Frameworks: ReactJS, NodeJS, Redux, Express, NextJS.

Developer Tools: Git, Docker, Kubernetes, GCP, AWS, Appwrite, Postman.

Libraries: Pandas, NumPy, Matplotlib, Pillow, OpenCV, MaterialUI, TailwindCSS.

VOLUNTEERING

Google Developer Student Club, TIU

Core Member and co-lead of the marketing department.

IOT Exposition Competition, TIU

Volunteer in that competition.