Sarfaraj Molla

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EDUCATION

Techno India University, West Bengal. — West Bengal, India
B-Tech Computer Science and Engineering, CGPA: 7.84 — 2021 - 2025

H.S. Memorial School — West Bengal, India
I.S.C Board: 84.50% — 2020 - 2021

H.S. Memorial School — West Bengal, India
I.C.S.E Board: 70.80% — Till 2019

EXPERIENCE & EXTRACURRICULARS

Participate in IOT Exposition Competition | Certificate Link | — July 2024 – Present
Personalized Smart Fragrance diffuser with Face Emotion Detection — Remote
Python, OpenCV, TensorFlow. — Github Repo
- 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 — April. 2024 – June 2024
AI/ML Intern | Certificate Link | — Remote
- 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 — Feb. 2023 – May 2023
Frontend Developer Intern — Remote
- 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 — Jan. 2024 – March 2024
Network Security Associate Intern | Certificate Link | — Remote
- 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 | *ReactJS, NextJS, MongoDB, CSS, Tailwind CSS* — Github Repo
- 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 | *Python, OpenCV, TensorFlow* — Github Repo
- 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.

Patient Appointment Booing Web App | *Next JS, Appwrite, Tailwind CSS* — Github Repo
- Built with Next.js for fast, dynamic pages.
- Used Appwrite for authentication and database management.
- Styled with Tailwind CSS for a clean, responsive UI.
- Features include appointment booking, user login, and notifications.

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.