MOHAMMAD SUFYAN

7061372210 ⋄ Sufyan.social@gmail.com ⋄ Kolkata, West-
Bengal, India
github ⋄ linkdin

EDUCATION

Heritage Institute of Technology, Kolkata   *September, 2022 - Present*
B Tech in Computer Science Engineering (Data
Science) CGPA: 9.06 (2nd year)

Indian Institute of Technology, Madras   *September, 2023 - Present*
Diploma in Data Science

Dini International School   *April, 2020 – March 2022*
Class 12 (CBSE): 87 % (PCM)

EXPERIENCE

Omdena Kutch Chapter – Cultivate   *July, 2024 - Present*
Data Engineering Lead

· Responsible for implementing, and maintaining robust data architectures and pipelines to support data integration, storage, and processing needs.

PROJECTS

Cultivate – Omdena Kutch Local Chapter Project.   *July, 2024 - Present*

Cultivate helps urban residents grow thriving gardens by providing personalized gardening recommendations using machine learning and geospatial technology to address city-specific challenges. (Ongoing)

Key Features:

- Personalized Plant Recommendations: Analyze geolocation data to offer tailored guidance for plant selection and care.
- Geospatial Technology Integration: Enhance recommendation accuracy by considering specific urban microclimates and pollution levels.
- Data-Driven Insights: Empower users with reliable information to overcome urban gardening challenges and promote sustainable practices.

Industry Xpert – AI based application for industrial safety.   *March – April, 2024*

Industry Xpert is a cutting-edge web application aimed at revolutionizing safety protocols within industrial environments. (demo, blog)

Key Features:

- Motion Amplification: Proactively identifies subtle equipment movements to prevent unexpected breakdowns.
- Emergency Alert System: Allows for quick signaling of help through specific gestures, ensuring prompt assistance during emergencies.
- Restricted Zone Enforcement: Utilizes live CCTV feeds to identify unauthorized access, enforcing safety protocols effectively.
- Fire and Safety Gear Detection: Employs machine learning for real-time detection of potential fire risks and ensuring personnel compliance with safety gear.

MediConnect – A Healthcare Application.   *June, 2024*

MediConnect provides comprehensive 24/7 healthcare services, allowing you to manage your health anytime, anywhere. This application supports early detection and proper medication, crucial for conditions like

Parkinson's disease. ([demo](#))

Key Features:

- Healthy Parameter Tracking: Monitor key health parameters like blood pressure and heart rate.
- Medicine Timer & Management: Set reminders and receive text messages on platforms like telegram to stay on track with your medication.
- Medical Chatbot & AI Technology: Get instant medical advice and support from AI-driven chatbot.

ACHIEVEMENTS

- ***Winner: Rebase <01>***

  Best AI-ML Hack Award: Rebase<01>

  Rebase<01> was an online hackathon spanning one month organized by IIT Kalyani.

- ***Semi-finalist: Hack4Bengal 3.0***

  Hack4Bengal was an offline 36 hours long hackathon hosted by JIS College of Engineering.

- ***Semi-finalist: HackForge - Forging the Future Hackathon 24***

  HackForge was an offline hackathon organized by Jadavpur University.

TECHNICAL SKILLS

Programming Languages	Python, C, R.
Tools and Platforms	Git & GitHub, PyCharm
Data Analysis	NumPy, Pandas, Power BI.
Machine Learning & Deep Learning	Scikit-learn ML models, YOLO, CNN
Generative AI	GPT, Gemini, Gemma, LLAMA3.
Soft Skills	Leadership, Teamwork, Listening, Responsibility Quick Learner, Problem Solving.

CERTIFICATIONS

ML-Ops| Machine Learning Operations Specialization (Enrolled)