

# Mr. Gunjan Kadam

Email: kadamgunjan27@gmail.com

Mobile: +91 8097158081

GitHub: <https://github.com/Gunjankadam>

LinkedIn: <https://www.linkedin.com/in/gunjan-kadam-4272b22b9/>

## EDUCATION

KJ Somaiya Institute of Technology, Sion	
BTech- Computer Science -CGPA-9.7(Till SEM VII)	2021-2025
St. Joseph's Junior College, Kalamboli	
XII-State Board - Score: 94%	2020-2021
St. Joseph's High School, Kalamboli	
X - State Board - Score: 89.6%	2019

## SKILLS SUMMARY

- Languages: C(Intermediate), Python (Intermediate), Java (Intermediate), JavaScript(Basic), R(Basic), Dart(Basic)
- Framework/Libraries: ExpressJS(Basic), Pytorch(Basic), Django(Basic), ThreeJS(Basic), React(Basic)
- Web: HTML(Basic), CSS(Basic)
- Backend and Database: NodeJS(Basic), SQL(Intermediate), MongoDB(Basic), Firebase(Basic), VectorDB(Basic)
- Tools: GIT, GitHub, Linux (Basic), AWSCodeCommit(Basic)
- Soft Skills: Leadership, Decision-Making, Problem -Solving, Teamwork, Event Management

## PROJECTS

**SQL Automation (Mastek)**  
Developed a full-stack web application with user authentication, an admin dashboard, and automated SQL query generation by integrating OpenAI's API to convert natural language inputs from uploaded documents into executable SQL queries. Implemented a secure, role-based authentication system (admin/user) and designed seamless frontend-backend interaction for query execution, streamlining database access for users with limited SQL expertise.  
Technology: NodeJS, ExpressJS, React, MongoDB, OPENAIAPI, AzureBlobStorage, NodeCron, TailwindCSS

**Real-Time Logistics Tracking System (Mastek)**  
Designed and developed a real-time logistics and inventory management system by integrating Azure AI for predictive monitoring and analytics. The solution tracked key environmental parameters (temperature, humidity, shock, tilt) and used AI-driven alerts to predict potential breaches, enhancing supply chain visibility. Additionally, built interactive dashboards featuring descriptive, predictive, and prescriptive analytics for warehouse operations, leveraging forecasting models like ARIMA to flag low stock levels and recommend optimal stock redistribution.  
Technology: ExpressJS, NodeJS, React, MongoDB, ChromeDB, FAISS, OPENAIAPI, WeatherAPI, PyTorch, Tensorflow

**Advanced Hybrid CNN-Transformer Predictive Machine Learning Model for Enhanced Pneumonia Detection**  
Developed an AI-powered pneumonia detection system using a hybrid CNN-Transformer model to analyze chest X-rays with enhanced diagnostic accuracy. Implemented a custom loss function to address class imbalance and achieved high performance on benchmark datasets. Also built a ReactJS-Flask web app for real-time, user-friendly diagnosis.

Technology: PyTorch, CNN, Transformer, Python, JavaScript, React, Tailwind CSS, Flask, Matplotlib, NumPy, Pandas, Kaggle (GPU).

### **GeoHarbor (SIF Hackathon)**

*The GeoHarbor is a mobile application designed to facilitate the seamless integration and analysis of Geographic Information System (GIS) in offline mode. The platform gains insights from user defined/uploaded data using GIS analysis.*  
Technology: Flutter, Dart, Openstreetmap, BhuvanMapsAPI(ISRO)

## **INTERNSHIPS**

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**Organization:** Mastek Pvt. Ltd

**Duration:** 12 December 2024 – 17 April 2025

**Title:** AIML

**Organization:** CASCADE, Somaiya

**Duration:** 25 March 2024 – 31 March 2024

**Title:** Geofencing project – App testing and training

**Organization:** Cladroid Technologies

**Duration:** 29th May 2023 to 30th June 2023

**Title:** Azure, Java, Web Development

**Organization:** Cladroid Technologies

**Duration:** 15th December 2022 to 15th January 2023

**Title:** Advanced Python Technologies

## **CERTIFICATIONS AND ACHIEVEMENTS**

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### **Certifications**

- AWS Academy Graduate - AWS Academy Cloud Foundations – 2024
- COURSERA—Ethical Hacking Essentials – 2024
- COURSERA – Nuts and bolts of machine learning – 2023

### **Positions of Responsibility**

- **Vice-Chairperson**, Indian Society of Technical Education (ISTE), KJSIT – 2024–2025

### **Achievements**

- **Published and Presented** at the **6th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND 2024)**, NIT Goa.
- **Finalist**, Space Hackathon (SIF 2023), organized by **ISRO**
- **Semi-Finalist**, Deep Blue Hackathon (Season 9), organized by **Mastek** – 2023