

# ADARSH KUMAR SINGH

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## SKILLS

**Programming Languages :** Python, Java, C, C++, SQL

**ML Algorithms :** Supervised(SVM , Logistic Regression , KNN)

**Libraries :** Scikit-learn, Matplotlib , Pandas

**Web Development :** HTML, CSS, JavaScript, Bootstrap, MERN Stack **Developer Tools**  
:Docker,UI/UXDesigning

## PROFESSIONAL EXPERIENCE

**Visvam.AI AI Devloper Intern:** AI Devloper Intern(Hyderabad)

**IEEE GRIET CIS SBC: Treasurer(Hyderabad)**

- Coordinated with team members for resource allocation and vendor payments.

**GDG On Campus Griet:** Event Management(Hyderabad)

- Managed tasks like registrations, team coordination, and on-ground arrangement

## PROJECT

### LABOUR CONNECT WORKLINK ([Github Link](#))

Project Description: Labour Connect (WorkLink) is a web-based employment platform designed to connect labour workers with employers in an easy, transparent, and efficient way. The system allows labourers to create profiles, upload resumes, and showcase their skills, while employers can search, filter, and connect with suitable workers based on their job requirements.

Result: Successfully developed a full-stack labour–employer matching platform with secure resume uploads, efficient worker search, and real-time data handling using Cloudinary, cookies, and MongoDB.

Language:

- HTML5 – Website structure
- CSS3 – Design, layout, responsiveness
- JavaScript – Frontend logic & interaction
- Node.js / Express.js – Backend server
- MongoDB – Database for storing labour and employer data

Technology Used :

- Cloudinary – Resume and media storage
- Cookies / Cookie-Parser – Session handling

## **ROCK VS MINE DETECTION ([Github Link](#))**

Project Description : A machine learning project that classifies whether an object detected by sonar is a rock or a mine using the given dataset. The dataset was pre-provided and contains sonar signal readings recorded at different frequencies. The project includes data preprocessing, feature analysis, model training, performance evaluation, and deploying the final model as a Streamlit web application for real-time predictions.

Result: Successfully built a rock-vs-mine detection model using the given dataset and deployed it as an interactive Streamlit web app for real-time classification.

### Language:

- Python
- HTML/CSS (within Streamlit components)    Models/Method used:
- Data preprocessing (normalization, train–test split)
- Machine learning model: Logistic Regression / SVM (your chosen model)
- Model evaluation using accuracy and confusion matrix
- Deployment using Streamlit for interactive predictions

## **CALIFORNIA HOUSING PRICE PREDICTION ([Github Link](#))**

Project Description: A machine learning project that predicts California housing prices based on input features such as median income, house age, average rooms, and location data. The dataset was pre-provided and processed with feature scaling to ensure consistency. The project includes data preprocessing, model training, performance evaluation, and deploying the final model as a Flask web application with a modern UI. The app was containerized using Docker and deployed on Render for real-time predictions.

Result: Built and deployed a live web app that gives real-time housing price predictions. ([Link](#))

### Language:

- Python
- HTML/CSS (within Flask templates)

### Models/Methods Used:

- Data preprocessing: StandardScaler for feature normalization, train–test split
- Machine learning model: Linear Regression (trained on California housing dataset)
- Model evaluation: Mean Squared Error (MSE), R<sup>2</sup> score
- Deployment: Flask + Gunicorn, containerized with Docker, hosted on Render.

## **EDUCATION**

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2023 - 2027

### **B.Tech - IT (8.21 CGPA)**

Gokaraju Rangaraju Institute of Engineering and Technology - Hyderabad

2021 - 2023

### **Senior Secondary**

Kendriya Vidyalaya Picket – Hyderabad

## **CERTIFICATION**

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- Fundamentals To Digital Marketing-Google ([Link](#))
  - Introduction to Cyber Security-Cisco Networking Academy ([Link](#))

## ACHIEVEMENTS

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**National Cadet Corps(NCC):** Successfully completed **NCC ‘A’ and ‘B’ Certificates**, demonstrating discipline, Teamwork And Leadership.

**Hackathons:** Achieved Top 10 position in a competitive hackathon during 2nd year (1st semester), demonstrating teamwork and problem-solving skills.

- Passionet(Built a scalable MERN-based platform for artists to showcase talent and connect with industry professionals. **Integrated chatbot (DeepSeek R1)**, real-time messaging, and authentication\).