

# Shreya B

A dedicated Software engineer and a Data Science enthusiast with strong problem-solving skills, a solid foundation in DSA and expertise in Python, Java and SQL. Adaptable, quick to learn, and eager to contribute to impactful projects in dynamic environments.

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📍 CHENNAI, IN

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Github - <https://github.com/shreyyaa2>

## INTERNSHIP

### Video Yantra Solutions

Dec 2024- Jan2025

Video processing Intern

- Worked on video processing using **GStreamer** in a peer-to-peer **Client-server** setup.
- Managed **WebRTC Signaling** for session setup and integrated it with GStreamer elements for media negotiation.
- Developed real-time video streaming solutions .
- Implemented efficient media pipeline management techniques.

## PROJECTS

### 1. Smart Workforce Management System

*Project | Web Development, WebSocket API, Real-Time Alerts*

Implemented a dynamic worker status monitoring: if a worker is absent, the UI updates instantly (color change and "Absent" status), and another skilled worker is auto-assigned based on task requirements. Integrated a Fire Alert System using **WebSocket API** to trigger emergency alerts across the dashboard for immediate evacuation.

### 2. AI Integrated Fake News Detector System

Built a machine learning model to classify news as real or fake using NLP techniques and trained it on labeled datasets for accurate detection.

Trained models on labeled datasets, achieving high accuracy in fake news detection.

## SKILLS

- Python
- Java ,C++
- SQL
- HTML,CSS,Javascript
- Gstreamer
- Data Structures and Algorithms
- MongoDB
- OOPS

## CERTIFICATIONS

- Foundation in Data Science (IIT Madras)
- Kaggle AI/ML Challenge
- Database Management System - Science Graduates
- Infy springboard Power BI Data Analytics
- Embedded Programming challenge-IITM
- Elite-Introduction to IOT (NPTEL)
- Silver Medal in Privacy and Security in OSM (NPTEL)
- Web development concepts- SkillSoft
- CCNA-Introduction to Networks

## EDUCATION

### Easwari Engineering College-Chennai

B.E Computer Science and Engineering - 8.71 CGPA

2022- 2026

### Data Science Online BS Degree -IIT Madras

Completed the Foundation level and currently pursuing the Diploma in Data Science with an aggregate of 8.0 GPA. Successfully completed 12 courses, earning a total of 36 credits.

2022-  
Present

### Padma Seshadri Bala Bhavan Senior Secondary School

10<sup>th</sup> CBSE -93.20% 12<sup>th</sup> CBSE -93.00%

2007-2022