

# Mayank Chaturvedi

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## PROJECTS

**sena.ai**

**July 2024**

### Sentimental and Emotional Analysis Platform

Performed tuning on pre-trained BERT and RoBERTa models for improved prediction.

Implemented Text and Image analysis feature to extract emotions and sentiments.

Implemented MPAA rating system to derive age appropriateness from uploaded files.

Implemented PDF sentiment analysis using transformers pipelines.

Deployed the trained models to Flask backend and integrated with NEXTJS frontend with flask-CORS.

**Quick Bytes**

**May 2024**

### Web-based Restaurant Management System

Spearheaded backend development utilizing Python with Flask framework, ensuring efficient and scalable operations.

Orchestrated database management utilizing SQLite, fostering data integrity and accessibility.

Implemented email authentication with OTP using SMTP protocols, enhancing security measures and user verification.

### IRCTC Ticket Booking System

**Feb 2024**

#### IRCTC inspired CLI app

Designed a secure system, ensuring user data is protected with robust encryption.

The booking feature allow users to search for trains by entering origin, destination, and travel dates. The system will then display available trains, seat availability, and fare details.

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## TECHNICAL SKILLS

Languages: Python, Core Java, C, Go, Bash, HTML+CSS+JavaScript

Frameworks: Spring MVC, Flask, Django, FastAPI, Nextjs

ML Libraries: TensorFlow, PyTorch, Deepface, Hugging face transformers, pandas, Keras, DeepLearning4j

OS: GNU/Linux, Windows

Databases: MySQL, PostgreSQL, SQLite

Tools: Git, Docker, Postman, Maven, Gradle, Apache Tomcat, JMeter

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## EDUCATION & CERTIFICATIONS

### Bachelor's of Engineering in Information Science Engineering

RV Institute of Technology and Management  
2022-2026

### Google Cloud Study Jams 2023

Google Developer Student Clubs (GDSC)

### Data Science using Python

Brain-o-vision Solutions

## ACHIEVEMENTS

Completed Hacktoberfest '23

AD3X! Hackathon - Winner team in AI/ML track

Participated in Smart India Hackathon '23

Participated in FantomCode '24 Hackathon

Represented College Badminton Team