

# Om Singh Chandel



+91 - 9685890401



[omchandel1703@gmail.com](mailto:omchandel1703@gmail.com)



Pune, Maharashtra



[LinkedIn](#)

## SUMMARY/OBJECTIVE



A passionate second-year B.Tech CSE student (AI & DS specialization) at MIT World Peace University, eager to leverage strong coding skills and a growing interest in data science and machine learning in a challenging internship. Possesses a strong work ethic, a dedication to continuous learning, and a desire to contribute meaningfully to a team's success.

## PROJECTS

### MUSIC RECOMMENDATION ENGINE

- Developed the recommendation engine on Python.
- Trained a Word2Vec model on genres names to establish relations in music features data. Used K-means clustering and Co-occurrence matrix to create a hierarchy of these relations
- The K-means clustering algorithm was able to create a hierarchy of these relations with 200 clusters.
- Managed the flow of user data with Json format to keep track of the user's listening history.
- [Git repo](#)

### RECIPE EXPLORER & MANAGEMENT YARD

- Built a dynamic web application for recipe management and exploration using FastAPI, a modern Python web framework.
- Implemented a MongoDB database to efficiently store and retrieve recipe data, allowing users to search, view, and save recipes.
- Designed a user-friendly interface that facilitates recipe exploration and management, enhancing user experience.
- Utilized modern web development practices to ensure the application's scalability and performance.
- [Git repo](#)

### MOCK TEST WEBSITE (CATPREPHUB)

- Developed a web platform using Django, a high-level Python framework, to assist students in their preparation for the CAT exam (India).
- Implemented features like simulated CAT exams with customizable sections (Quantitative Aptitude, Verbal Ability, Logical Reasoning, Data Interpretation), engaging questions, and time limits.
- Provided performance analysis tools to help students understand their strengths and weaknesses, enabling them to focus their studying efforts effectively.
- [Git repo](#)

## SKILLS

- Programming Languages: Python, HTML, JavaScript, TypeScript, CSS, PHP(Wordpress).
- Frameworks & Libraries: React-Native, React, Node, Bootstrap, Django, FastAPI.
- Tools & Systems: Git (Version control), Vscode, Xampp
- Other Skills: REST APIs, MySQL, SQLite, MongoDB, Wordpress.

## ACHIEVEMENTS



- Won first prize at the DYP Nexus 2024 5G Ideathon, presented a V2X model for Emergency responses and Dynamic traffic management.
- Successfully tackled over 150 DSA questions (Easy, Medium, and Hard) on prominent platforms, majorly on LeetCode and Hackerrank
- Achieved 3rd place in the Codex Coding Competition Basic level (2023).
- Currently an active member of the CSI MIT-WPU Chapter since 2023.
- Played an integral role in the organization of the Texephyr'23 and lead the tech competitions of Texephyr'24 tech events at MITWPU.

## EDUCATION



**Name of College:** MIT World Peace University

**Course:** Btech-CSE AI & DS

**Years:** 2022-present

## CERTIFICATIONS



- [Problem Solving \(Basic\)](#) Certificate (Hackerrank)
- [Problem Solving \(Intermediate\)](#) Certificate (Hackerrank)
- [Python \(Basic\)](#) Certificate (Hackerrank)

## LINKS

- LeetCode: [roquetitan](#)
- Hackerrank: [roquetitan](#)
- Github: [roquetitan1703](#)
- Fiverr: [roquetitan\\_17](#)