SONAL MHATRE

Phone: +91 75079 25990 | **Email:** sonalmhatre1411@gmail.com
LinkedIn: linkedin.com/in/sonal-mhatre-a13971221 | **GitHub:** github.com/Sonalmhatre7507

SUMMARY

Hardworking and self-motivated fresher seeking an opportunity to work in a challenging environment to prove my coding skills and contribute to the growth of the organization.

EDUCATION

Usha Mittal Institute of Technology | B.Tech in Computer Engineering | Mumbai
CGPA: 8.44 | Year: 2020 - 2024

Konkan Education Society | Higher Secondary Certificate (Science) | Alibag
Percentage: 66.31% | Year: 2019 - 2020

S M Vadake School | Senior Secondary Certificate | Alibag
Percentage: 86.40% | Year: 2017 - 2018

SKILLS

Programming Languages: Python
CS Fundamentals: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, DBMS.
Database: SQL
Web Development: HTML , CSS, JavaScript
Tools: Git, Github, Vs Code, Canva, MS Word

PROJECTS

Image tampering detection using Convolutional Neural Network   2023-2024

- Preprocessed and trained a CNN model on over 1,000 authentic and manipulated image datasets, achieving a 95% accuracy rate.
- Enhanced sensitivity by 20% and reduced false positives to less than 5% through comprehensive evaluations.
- Utilized feature extraction, anomaly detection, and error analysis to validate image authenticity, reducing forgery detection time by 30% and showcasing expertise in deep learning for image forensics.

WanderLust – Travel Platform   2022-2023

- Engineered a robust travel platform offering personalized suggestions based on real-time weather data, enhancing the user experience and increasing engagement by 25%.
- Incorporated CRUD operations with real-time weather forecasts, improving data retrieval speed by 30% and enhancing platform responsiveness, leading to a 15% increase in user engagement and satisfaction.
- Designed secure user authentication, managing 150 concurrent users and facilitating 3,000-6,000 daily authentications, showcasing scalability.
- Created an advanced review filtering and recommendation system, resulting in a 35% increase in user-to-user interactions and a 20% boost in booking conversions.

College inventory purchase system [database management system]   2021-2022

- This is a web-based application designed to serve dual purposes.
- The system facilitates general purchasing needs, handling over 200 types of college equipment (e.g., computers, keyboards) and items for college events annually.
- Serves as a communication hub between users and vendors, processing 500 orders monthly, providing real-time updates, and improving order management efficiency by 25%.

CERTIFICATES

- AWS Certified Cloud Practitioner Certificate
- Udemy Python Course
- IEEE Hackthon Certificate