

# HARIOM SINGH

Dahod, Gujarat

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Codechef

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GeeksforGeeks

## EDUCATION

**Chandigarh University, Mohali, Punjab**

*B.E - Computer Science and Engineering - CGPA - 7.74*

**2021 – 2025**

*Mohali, Punjab*

**Puna International School**

*Intermediate (CBSE) - Percentage - 65.4%*

**2019 – 2020**

*Ahmedabad, Gujarat*

**St. Mary's School**

*Matriculation (CBSE) - Percentage - 80.9%*

**2017 – 2018**

*Dahod, Gujarat*

## COURSEWORK / SKILLS

- DSA
- Operating Systems
- OOPS Concepts
- Computer Networks
- Python
- Cloud Computing
- Software Engineering
- DBMS

## PROJECTS

**Chat-App using React and Socket io** | React, JavaScript, Socket io, JWT

**2024**

- Designed and developed a real-time chat application using React, showcasing strong front-end development skills.
- Integrated Socket io for building real-time, bidirectional, and event-based communication and JWT for authorization

**Crop Prediction ML Model** | Pycaret, Pandas, Numpy, Multiclass Classification

**2023**

- Created an ML model to predict the best suitable crop to grow on a particular piece of land.
- It is a multiclass classification problem, we have preprocessed the data set using pandas.
- Used pycaret for comparing the efficiency of various ml models.

**HouseHuntHQ** | React, JavaScript, Express, MongoDB

**2023**

- Built a web app for our college students to find flats, PG, and Roommates.
- Used Node js for the web backend, and react for the frontend, used bcrypt js to encrypt and store the hashed password.
- Used mongo db as the database for the application.
- Working on a recommendation model to recommend roommates with similar interests.

## TECHNICAL SKILLS

**Languages:** C++, JavaScript, Python, SQL

**Technologies/Frameworks:** HTML5, Tailwind CSS, React, MongoDB, Express, Javascript, NodeJS

**Developer Tools:** VS Code, Jupiter Notebook, Postman, Google Colab

## PUBLICATION

- **U-Net Based Semantic Segmentation for Road Scene Understanding** published at the 12th international conference **SMART LINK**.
- **Advancement in SLAM Techniques and Their Diverse Applications** published at the 12th international conference **SMART LINK**.

## CERTIFICATIONS

- IBM Introduction to Machine Learning Specialization - Coursera
- Mobile Development and Javascript
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## EXTRACURRICULAR

- Taught basic C++/DSA in offline Mode. 05-2023 – 25-2023
- Won a badminton competition in hostel league