

Samiya Malhotra

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EDUCATION

Chandigarh University

Bachelor of Engineering in Computer Science and Engineering

- CGPA (till 2nd year) - 8.25

Mohali, Punjab

Aug. 2022 – May 2026

ACHIEVEMENTS

Winner, SSIP New India Vibrant Hackathon

(25th November 2023)

- Felicitated by the Chief Minister of Gujarat

Winner, Smart India Hackathon 2023

(19th December - 23rd December, 2023)

- A national level hackathon held at Hyderabad where I played the prestigious role of the Team lead

PROJECTS

Driver Assistance For Heavy Commercial Vehicles in Mining Areas | *Python, IOT, Javascript, C*

- Developed and implemented a Python-based vehicle-to-vehicle (V2V) communication algorithm designed to enhance safety and efficiency for heavy commercial vehicles operating in mining environments.

Device for reducing Illegal Mining | *Python, Firebase, IOT*

- Created a python code for route tracking of the vehicles
- Python script for sending and retrieving of real time data to and from firebase for real time tracking of vehicles in mining areas

Facial Recognition | *Python, OpenCV*

- Produced a facial recognition system leveraging Python and the OpenCV library. The project involved implementing algorithms for detecting and recognizing faces.

Emotionally Intelligent Chatbot | *Python, Machine Learning, Telegram, Kaggle*

- Coded in python using the Machine Learning algorithms and deployed the chatbot on telegram

Credit Risk Modeling | *Python, Machine Learning*

- Developed a credit risk assessment model utilizing Python and advanced machine learning algorithms. The project involved techniques to predict the likelihood of loan default, aiding in informed decision-making for financial institutions.

Airbnb Case Study | *Tableau, Kaggle, Excel*

- Designed a dashboard using the airbnb reservations dataset from kaggle

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, HTML/CSS

Developer Tools: VS Code, PyCharm, IntelliJ, Jupyter Notebook, Google Collab, Firebase

Libraries: pandas, NumPy, Matplotlib, seaborn, OpenCV, Scikit-Sklearn

Skills: Machine Learning, Tableau, Excel, git

SOFT SKILLS

- Effective and fluent communicator
- Leadership Abilities