SIMRAT SINGH RATTEY

ABOUT ME

Highly motivated and dedicated student studying Artificial Intelligence and Machine Learning with a strong passion for advancing the field. Experienced in applying machine learning models to solve complex problems and extract valuable insights from large datasets.

📱 9811622871

✉ simrat7303@gmail.com

🌐 GitHub

EDUCATION

B.Tech Computer Science And Engineering (Artificial Intelligence And Machine Learning) - VI Sem GPA - 7.70

Sep, 2021 - Jun, 2025

- Manipal Institute Of Technology
- Manipal

12th CBSE - 83%

Aug, 2019 - Aug, 2021

- G.D. Goenka Public School, Vasant Kunj
- New Delhi

10th CBSE - 92.5%

Sep, 2007 - Jul, 2019

- K.R. Mangalam World School , GK-2
- New Delhi

TECHNICAL SKILLS

- Cloud Computing in Azure
- Artificial Intelligence
- Programming in Java, C, Python
- Artificial Neural Networks
- Machine Learning
- Deep Learning
- Computer Vision
- Big Data Analysis
- Data Structures and Algorithms
- Databases

COURSES

HTML, CSS, Javascript

NIIT, New Delhi
May, 2019 - Jul, 2019

LANGUAGES

English, Hindi, Punjabi

ROLES AND RESPOSIBILITIES

Bajaj Capital Ltd.
New Delhi
Jun, 2024 - Jul, 2024

Information Technology Intern

Contributed to the development of the official website, utilizing C# and SQL in the DotNet Core Framework to create RDLC reports. Conducted data analytics and visualization tasks using Python and PowerBI.

SWARM Robotics
Manipal Institute of Technology, Manipal
Oct, 2023 - Mar, 2024

Served as the advanced robotics head of SWARM Robotics, the official Robotics team of MAHE., contributing with my team in creating groundbreaking robotic innovations for making tasks easier.

Industrial Automation Solutions
New Delhi
Jun, 2023 - Aug, 2023

Contributed to industrial projects involving 3D scanning systems and 5-axis CNC milling machines, supporting prototype testing to assess performance and functionality.

Informals - Revels'23
Manipal Institute of Technology, Manipal
Feb, 2023 - Mar, 2023

Served as a member of the organizing committee for the Informals category at Revels'23, gaining invaluable insights into event management and developed strong team collaboration skills and leadership skills.

Project Manas
Manipal Institute of Technology, Manipal
Dec, 2021 - Mar, 2022

Involved in the task phase of Project Manas, the official AI and Robotics team of MAHE, acquiring extensive knowledge in machine learning algorithms, deep learning , big data , neural networks and computer vision.

PROJECTS

Resume Spotter Bot
Resume rating system created with the help of Microsoft's Document Intelligence AI

Cricket All Stars Game using SQL and Python
Choose your team and compete against computer's artificial intelligence

Gender Differentiation Using Vocal Features
Determination of the gender of a speaker using different machine learning algiorithms

Fisheye Image Correction Using OpenCV
Correction of Fisheye image using camera calibration to address distortions in the image

Car Dealership Website
Online car dealership using HTML, CSS, Javascript, Bootstrap and DJango

Stock Market Prediction
Predictive analysis of stock prices using deep learning models such as LSTM and CNN

Anomalous E-Mail Detection Using K-Means
Classifiication of anomalous E-mails by handling big data using PySpark