# Maitry Sharma

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## EDUCATION

### Dipmoma in Data Science and Programming
Indian Institute of Technology Madras

*01/2024 - 12/2024*                                    *8.05 CGPA*

### Btech in Computer Science Engineering
School of Engineering, CUSAT

*07/2020 - 07/2024*                                    *8.02 CGPA*

## PERSONAL PROJECTS

### Full Stack Home Services App (10/2024 - Present)
- Frontend: VueJS, Celery, Radis, JWT Authentication, FLaskRestful APIs
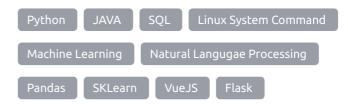- Backend: Flask, SQLite

### Social Network App with Embedded Machine Learning (02/2024 - 03/2024)
- Implemented CRUD operations, user interactions(follow/unfollow,like/comment), trending hash- tag, sentiment based hashtag sorting, and real time hate speech detection.
- Trained sentiment analysis model from scratch using Sentiment140 dataset achieving an f1 score of 82%.
- Hate speech detection model was trained achieving a f1 score of 89%.
- Technologies Used: Flask, SQLite, Python, NLP.

### Language Generation Model (01/2024 - 02/2024)
- Developed a bi-directional LSTM-based language model to predict the next few lines of text given a phrase as a prompt.
- Trained for 50 epochs on the dataset.

## WORK EXPERIENCE

### Software Development Intern
OpenWire Inc.

*05/2023 - 08/2023*

*Achievements/Tasks*
- Developed a Flask-based device management web app for a B2B startup selling cloud-based end devices.
- The app assists resellers in obtaining device details and registering for warranties.
- Technology Used: Flask, HTML,CSS.

## SKILLS

Python  JAVA  SQL  Linux System Command

Machine Learning  Natural Langugae Processing

Pandas  SKLearn  VueJS  Flask

## ACHIEVEMENTS

Top Course Grade at IIT MADRAS B.S. Data Science in Business Data Management, Business Analytics, Tools in Data Science.

## CERTIFICATES

Pandas Certification from Kaggle (10/2024 - 10/2024)

Data Visualization Certification from Kaggle (10/2024 - 10/2024)

## LANGUAGES

Hindi
*Native or Bilingual Proficiency*

English
*Native or Bilingual Proficiency*