

## Kshitij Tyagi

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## ACADEMIC SKILLS

Qualification	University / School	Institute / Board	Year	Grade
Secondary School	Raja Rammohan Roy Academy	ICSE	2020	89.16%
Senior Secondary School	Raja Rammohan Roy Academy	ICSE	2022	85.6%
B.Tech CSE	Graphic Era Deemed University	Graphic Era Deemed University	2022-2026	8.99

## PROJECTS

### • Reddit Scraper

*Python, MoviePY, SQLAlchemy*

- The scraper collects data from Reddit and stores it in a database.
- It also has a video convertor built in it

### • Discord Bot

*Python, Discord API, SQLAlchemy, BeautifulSoup*

- Implemented basic management features for Discord servers.
- Integrated webhooks to allow the use of any emoji anywhere in Discord.
- Implemented a feature to fetch and display free games from the internet.

### • Microprocessor 8085 Simulator

*C++*

- Implemented functionality to accurately simulate the behavior of the 8085 microprocessors.
- This simulator helps enthusiasts and students explore the 8085 microprocessor architecture.

### • Handwritten Character Recognition

*Python, Numpy, pandas, Tensorflow, Matplotlib, Keras*

- In this project, I developed a deep learning model using Convolutional Neural Networks (CNNs) to recognize handwritten characters.
- The goal was to accurately classify images of handwritten characters into their respective classes (0-9 for digits, and A-Z for letters).

## SKILLS

### • Languages

C++, Python, Java, HTML, CSS

### • Tools

SQLAlchemy, BeautifulSoup, Numpy, pandas, Git

### • Soft Skills

Creativity, Problem Solving, Adaptability