

# Yash Agarwal

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## Education

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### National Institute of Technology, Kurukshetra

Bachelor of Technology in Electrical Engineering, CGPA: 8.78

Kurukshetra, India

Nov. 2022 – May 2026

### DAV School

CBSE, Percentage: 91%

Siliguri, India

Apr. 2020 – Mar. 2022

### St. Joseph's School

ICSE, Percentage: 96.6%

Siliguri, India

Apr. 2008 – Mar. 2020

## Projects

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### Real Estate App — Machine Learning, Python, Tensorflow, Git

- Developed a Price Predictor model for the real estate sector of Gurugram.
- Performed Data Cleaning, Exploratory Data Analysis, Feature Engineering, Hyper-parameter Tuning for training the model.
- Implemented various machine learning algorithms along with Artificial Neural Networks.
- Also included an Analysis module and a recommender system for recommending similar properties.

### Splitwise App — React JS, Tailwind CSS, Git

- Developed a similar splitwise kind of an application using ReactJS.
- Styled the frontend using Tailwind CSS.

### TV Series Recommender — Python, NLP, Git

- Developed a TV Series recommender system using TMDB's dataset.
- Performed techniques of Natural Language Processing and used concepts of Similarity scores for recommending similar web-series.
- Deployed the model using Streamlit.

### Emotion Detector — Python, Convolutional Neural Networks

- Utilized the FER-2013 dataset to build a facial emotion detector using Convolutional Neural Networks.
- Trained the model using VGG-16 and RESNET-50 architectures using the concepts of Transfer learning and achieved around 70 percent accuracy.

### IPL Dashboard — Power BI

- Created a versatile dashboard using the Indian Premier League Dataset.

## Technical Skills

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**Languages:** Java, Python, MySQL, JavaScript

**Frameworks:** React.js, Tensorflow, Keras

**Developer Tools:** Git, GitHub, IntelliJ Idea, Webstorm, Jupyter Notebook, Postman, PyCharm

**Soft Skills:** Communication Skills, Teamwork, Leadership, Time Management

## Extra-Curriculars

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### English Literary and Debating Club

- Participated in various Debating and Quizzing competitions and won High Commendations/Special Mentions during MUNs.

### National Social Scheme

- Performed various social works as a volunteer of NSS.