

Rounak Singh

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📍 Howrah, India

Profile

An aspiring B.Tech [🔗](#) in Computer Science and Engineering student with a strong passion for Machine Learning and Artificial Intelligence. Proficient in core programming languages like Python, C++, and Java, with hands-on experience in building ML models and developing data-driven solutions through academic projects.

Education

2022 – present **B.Tech in Computer Science and Engineering**
MCKV Institute of Engineering
1st year YGPA: 9.64
2nd year YGPA: 9.78

Skills

Programming Languages

Python, C, C++, Java

Libraries & Tools

Scikit-learn, TensorFlow, Keras, PyTorch, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI, Tableau

Database Management

PostgreSQL, MongoDB

Big Data & MLOps

Hadoop

Projects

Movie Recommendation System [🔗](#)

This project leverages Streamlit for the front-end interface and employs TF-IDF vectorization along with natural language processing (NLP) techniques to provide personalized movie recommendations.

Tomato Plant Disease Detection System [🔗](#)

This project classifies tomato plant diseases using a Convolutional Neural Network (CNN). The application is built with Streamlit and allows users to upload images of tomato leaves to predict the disease.

Courses

The Joy of Computing Using Python

NPTEL - IIT Madras

Machine Learning and Deep Learning - Fundamentals and Applications

NPTEL - IIT Kharagpur

Google Data Analytics

Coursera - Google

IBM Machine Learning

Coursera - IBM

Languages

• English

• Bengali

• Hindi