

# Rishu Raj Gautam

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## Education

2020/10 – 2023/05 New Delhi, India	<b>P.G.D.A.V. COLLEGE EVENING, University of Delhi</b> <i>Bachelor of Arts in Computers and Mathematics</i> <b>CGPA - 7.68</b>
2023/04 – present	<b>IIT Madras</b> <i>Bachelors of Science ( BS ) in Data Science and Applications</i> <b>CGPA - 8.13</b>

## Skills

Python, Pandas, Numpy, Flask, REST API, MySQL, PostgreSQL, HTML, CSS, Git & Github

## Projects

### Library Management System [🔗](#)

Python, Flask, HTML, Bootstrap, SQLite

- Developed a comprehensive Library Management System utilizing **Flask framework, SQLAlchemy ORM, and SQLite database**, enhancing book cataloging, user management, and transaction tracking functionalities.
- Implemented user-friendly features such as **user authentication, role-based access control**, and intuitive user interface design, contributing to a seamless library experience for both librarians and patrons.
- Demonstrated strong problem-solving skills and attention to detail through the design and implementation of a robust database schema, ensuring efficient data management and scalability for future enhancements.

### Movie Recommendation System [🔗](#)

Python

- **Data Preprocessing:** Conducted **data exploration and preprocessing** on a Pandas DataFrame, handling null values and dropping irrelevant columns.
- **Text Vectorization:** Utilized **CountVectorizer** from **scikit-learn** to convert movie overviews and genres into numerical feature vectors for similarity computation.
- **Similarity Computation:** Implemented **cosine similarity calculation** between feature vectors of movies, a crucial step in recommendation systems for measuring similarity.

### Portfolio Website [🔗](#)

HTML, Tailwind CSS

- Created portfolio website using HTML and Tailwind CSS.
- **Aesthetic design** prioritized
- **Github link** [🔗](#)

## EXTRACURRICULAR

### Youtube - MyCampus [🔗](#)

Founder

- Curate and produce educational content covering diverse topics including **Python programming, mathematics concepts, statistical analysis, and machine learning algorithms**.

## Certificates

- Rank 1 in Python Programming Competition - IIT madras [🔗](#)
- Python (Basics) - Hackerrank [🔗](#)
- Python for Data science and AI - Coursera [🔗](#)
- Databases and SQL for Data Science [🔗](#)