


# Yuvraj Bagga

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Recent BTech graduate specializing in Computer Science, proficient in Python Flask for Backend development and REST API creation, and SQL for database management. Proven ability to build user-friendly applications and implement machine learning models and create robust backend systems.

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## EDUCATIONS

**Ch. Devi Lal State Institute of Engineering & Technology**

B.Tech in Computer Science

**Sirsa, Haryana**

(Sept 2020- 2024)

**Govt. Model Sanskriti Sr. Sec. School (HBSE)**

12th Grade in Science (Non-Medical)

**Sirsa, Haryana**

(April 2019- 2020)

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## PERSONAL PROJECTS

### FundWiser ([Github](#))

- Built a **financial management application's backend** using **Flask-RESTful** and **SQLite3 database** to manage **user authentication**, **financial transactions**, and various other crucial functionalities.
- Created a **user account cards API** enabling seamless input of card details and facilitating credit or debit transactions, ensuring a fluid and intuitive user experience.
- Implemented comprehensive functionality, including **income** and **expense tracking**, **profile management**, **retirement planning**, and a **contact form API**, integrated and contributing to a robust **backend** system.

### FlickMate ([Github](#))

- Developed a content-based **movie recommendation system** that suggests the top 5 similar movies from a **dataset of 5000 movies**, utilizing **cosine similarity** calculations with **Scikit-Learn** machine learning library.
- Designed the User interface using **Streamlit**

### Prediction of Income Bracket of US Citizen ([Github](#), [Kaggle](#))

- Trained a **robust machine learning model** to predict the income bracket of US citizens, emphasizing the importance of the \$50K threshold, using a dataset with relevant features, Analyzed data multiple Classification models like **Logistic Regression** and **Decision Trees**.
- Achieved impressive **Classification accuracy** and **precision** by applying advanced techniques in data preprocessing, feature engineering, and model selection, showcasing strong proficiency in machine learning.

### Sigma Weather - Weather App ([Github](#))

- Sigma Weather App is a Weather application which is Built by **HTML**, **CSS**, **JS** which seamlessly integrates various **API** to provide real-time weather data.

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## SKILLS & INTERESTS

**Frameworks/Libraries:** Numpy, Pandas, Flask, Streamlit, Bootstrap, Tailwind CSS.

**Languages:** Python, SQL, JavaScript.

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## TRAININGS & CERTIFICATIONS

**[PYTHON FOR DATA SCIENCE , AI & DEVELOPMENT](#)** (26 Hours, 2023) offered by IBM and certified by Coursera (Achieved 85.73%)

**[HTML,CSS,JAVA SCRIPT FOR WEB DEVELOPERS](#)** (40 Hours, 2022) offered by Johns Hopkins University and certified by Coursera (Achieved 99.30%)