

Amartya Kumar

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EDUCATION

BML Munjal University

Bachelor of Technology in Computer Science

Kapriwas, Haryana

Aug. 2023 – Present

EXPERIENCE

Completed Second Year of B.Tech CSE

BML Munjal University

Aug. 2023 – May 2025

Kapriwas, Haryana

- Successfully completed the second academic year with hands-on experience in computer science fundamentals, software development, and project-based learning.
- Engaged in academic projects, coding contests, and collaborative learning environments to enhance problem-solving and programming skills.

Networking and Careers Development Member

SARC (Student Alumni Relations Cell), BML Munjal University

Aug. 2024 – Present

Kapriwas, Haryana

- Collaborated with alumni to organize career development sessions and networking events for students.
- Assisted in organizing workshops to enhance students' professional skills and employability.
- Helped in managing SARC events, fostering connections between students and alumni.

PROJECTS

Content-Based Movie Recommendation System | *Streamlit, Python, TMDB API*

2024

- Developed an interactive movie recommendation system using Streamlit to provide personalized movie suggestions based on user preferences.
- Integrated the TMDB API to fetch detailed movie metadata and visuals, enhancing the user experience with rich information.
- Utilized the TMDB 5000 dataset to power real-time recommendations, employing content-based filtering techniques for more accurate and relevant suggestions.

WoogleDocs – Collaborative Document Editor | *React, MongoDB, Socket.IO*

2025

- Built a collaborative document editor similar to Google Docs, allowing real-time co-authoring and editing of rich-text documents.
- Integrated Quill editor for seamless text formatting, including support for various text styles, lists, tables, and other document elements.
- Implemented real-time synchronization using Socket.IO, ensuring smooth collaboration between multiple users, with data persistence stored in MongoDB.
- Enabled user authentication and authorization, providing access control for document sharing and editing.

Operation Poshan - Nutrition Recommendation System | *Python, Streamlit, XGBoost*

2025

- Created a diet recommendation app powered by ML and real-time nutrition insights.
- Web scraped USDA food data, performed EDA and feature engineering.
- Trained multiple models; XGBoost achieved best performance (R^2 , MAE, MSE).
- App supports nutrition breakdowns, food comparisons, and personalized analysis.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, JavaScript, TypeScript

Machine Learning AI: scikit-learn, TensorFlow, Keras, PyTorch, Hugging Face Transformers, OpenCV, XGBoost

Data Science Libraries: pandas, NumPy, Matplotlib, seaborn, Plotly

Frameworks: React, Node.js, Next.js, Flask, FastAPI, Streamlit, JUnit, WordPress, Material-UI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, Firebase, VS Code, PyCharm, IntelliJ, Eclipse, Replit

Databases: PostgreSQL, MongoDB

Platforms: Google Colab, Jupyter Notebook, Android Studio, Botpress

Design Tools: Figma, Canva