Amartya Kumar

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EDUCATION

BML Munjal University — Kapriwas, Haryana
Bachelor of Technology in Computer Science — *Aug. 2023 – Present*

EXPERIENCE

NSS Social Media Lead — Aug. 2024 – Present
BML Munjal University — *Kapriwas, Haryana*
- Managed NSS BMU's social media presence, increasing engagement through creative campaigns and impactful storytelling.
- Designed and executed digital awareness campaigns on social issues, volunteer activities, and community initiatives.

Networking and Careers Development Member — Aug. 2024 – Present
SARC (Student Alumni Relations Cell), BML Munjal University — *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

X-ceed – AI-powered Resume Shortlisting System | *MongoDB, Next.js, React, Python* — 2025
- Developed a working MVP that parses resumes and job descriptions to generate match scores using LLMs and embedding similarity.
- Built an AI-assisted resume improvement tool with inline suggestions, match score analytics, and recruiter-side filtering.
- Implemented recruiter dashboard for uploading and ranking multiple resumes using adjustable weight sliders (skills, experience, etc.).
- Currently integrating features like personalized study plans, project suggestions, and AI-generated proposal emails.

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
AI Tools & Assistants: ChatGPT, GitHub Copilot, Cursor, Träe, OpenAI API, LangChain
Design Tools: Figma, Canva