

ABHAY KUMAR

Ranchi, Jharkhand

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EDUCATION

Sarala Birla University

Bachelor of Computer Applications (BCA), CGPA: 8.47/10

Sept 2022 – July 2025

Ranchi, India

COURSEWORK / SKILLS

- Python
- Machine Learning
- Web Development
- DSA
- OOP Concept

PROJECTS

Movie Recommendation System

July 2024

- Developed a sophisticated Movie Recommendation System leveraging a cosine similarity algorithm to provide personalized movie recommendations. The system processes a comprehensive dataset of over 20,000 movies sourced from TMDb (The Movie Database) to deliver accurate suggestions.
- Enhanced Accuracy:** Improved recommendation precision by 30% through the implementation of cosine similarity.
- Scalable Solution:** Handled a large dataset (20,000+ movies) to ensure diverse and relevant recommendations.
- User-Centric Design:** Designed the system to return the top 5 most similar movies, enhancing user engagement and satisfaction.
- Tech Stack:**
 - Programming Languages and Libraries:** Python, NumPy, Pandas, scikit-learn, Streamlit
 - Deployment:** Deployed on Streamlit Cloud, ensuring global accessibility and real-time interaction.
- Development Environment:** Utilized Jupyter Notebook and PyCharm for development.
- [Live site here](#)

INTERNSHIP AND TRAINING

Ardent Computech Pvt. Ltd.

May 2024 – July 2024

Data Science and Machine Learning Intern

Ranchi, India

- Successfully completed a comprehensive 3-month internship, enhancing practical problem-solving abilities, and advanced data analysis techniques within data science and machine learning environments.
- Key Skills Acquired:**
 - Real-world problem solving and data analysis.
 - Machine learning project development.
- Technologies Used:** Python, NumPy, Pandas, Matplotlib, scikit-learn.
- Project:** Developed and applied machine learning models in a final project, demonstrating practical skills and knowledge.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, HTML, CSS, JavaScript

Technologies/Frameworks: Numpy, Pandas, Stramlit, Bootstrap, Git, GitHub

Developer Tools: VS Code, Jupyter Notebook, Pycharm

CERTIFICATIONS

- Data science and Machine Learning