

Ritesh Kumar

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Career Objective

Aspiring and enthusiastic Computer Science student specializing in AI and ML, seeking an opportunity to apply my technical knowledge, creativity, and passion for learning in a dynamic organization. Committed to contributing to innovative projects and growing professionally in the field of software development and machine learning.

Education

Arka Jain University, Jamshedpur

Bachelor of Technology in Computer Science and Engineering (AI& ML)

Aug. 2022-May 2026

CGPA: 8.18

Experience

SpringBoot Intern

TechMantra Global

May 2024-July 2024

Remote

- Gained in-depth understanding of SpringBoot for backend development, proficient in designing, deploying, and managing scalable SpringBoot applications.

Data Science Intern

AICTE-Slash Mark IT Startup

May 2024-July 2024

Remote

- Learned key data science concepts, including Python and Jupyter Notebook.

Machine Learning Intern

AICTE-Slash Mark IT Startup

Dec. 2024 – Jan. 2025

Remote

- Acquired hands-on experience in machine learning concepts, including Python programming and Jupyter Notebook.

Projects

Age Gender Prediction | Python

[GitHub Link](#)

- Developed a script that predicts age and gender using pre-trained models and the Haarcascade classifier for face detection.
- The cropped face images are fed into a deep learning model trained to predict both age and gender (male or female).

Food& Recipe API App | JavaScript, HTML, Bootstrap, CSS

[GitHub Link](#)

- Built a web application that allows users to search food recipes based on ingredients, using MealDB API.
- Developed RESTful APIs and integrated them with databases for enterprise-level solutions.

Blood Donation Forecast | Python, Machine Learning

[GitHub Link](#)

- Predicted if a person donated blood in March 2007 using features like monetary donations, frequency, and recency.
- Implemented Random Forest Classifier with hyperparameter tuning using GridSearchCV for optimal performance.

Sentiment Analysis | Python, Machine Learning

[GitHub Link](#)

- Built an end-to-end pipeline for sentiment analysis on textual data using NLP techniques.
- Implemented VADER sentiment scoring to classify sentiment and created insights through custom visualizations using Plotly and Seaborn.

Technical Skills

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

Libraries: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn

Frameworks: SpringBoot, TensorFlow, Keras

Developer Tools: VS Code, Git, GitHub, Jupyter Notebook

Databases: MySQL

Relevant Course: Data Structures & Algorithms, Object-Oriented Programming, Database Management System, Software Engineering

Areas of Interest: Web Development, Python Development, Machine Learning

Strengths

Critical Thinking — Strong ability to analyze complex problems, evaluate options, and make sound decisions efficiently.

Analytical Approach — Detail-oriented in identifying patterns, interpreting data, and applying logical reasoning to problem-solving.

Optimistic Professionalism — Maintain a positive mindset and adaptable approach in dynamic work environments, fostering collaboration and continuous learning.

Achievements

Earned a **Certificate in Database Management Systems** through NPTEL.

Successfully organized "Hack Horizon 2K25" — a university-level hackathon that fostered innovation and collaboration among tech enthusiasts.

Certified in Google Cloud Fundamentals & Generative AI — Gained hands-on experience and understanding of cloud infrastructure and generative AI concepts.

Leadership & Extracurricular Activities

Serving as Class Representative (CR) — currently acting as a bridge between faculty and students, ensuring effective communication and academic coordination.

Community Lead at GDG on Campus AJU — actively contributing to the growth of the developer community by organizing tech events, workshops, and peer-learning sessions.

Team Member, Gate Club, Arka Jain University — Participate in club activities and help with events related to GATE preparation.

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.