Rishabh Sagar

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LinkedIn — GitHub — Portfolio

Professional Summary

Passionate about technology and committed to continuous learning, I excel at solving complex problems and exploring innovations. With a solid computer science background and hands-on experience with diverse programming tools, I deliver high-quality results and drive technological advancements.

Interests

Machine Learning, Data Science, NLP, Computer Vision, Deep Learning, Web Development & Design.

Education

Cluster Innovation Centre, University Of Delhi, New Delhi, India — *Nov 2021 – June 2025 (Expected)*
Bachelor of Technology (B.Tech) - Information Technology and Mathematical Innovation (Minor - Management) — *GPA: 8.86/10*

DVS School, Roop Nagar, India — *July 2019 – July 2021*
High School Diploma - Physics, Chemistry, Mathematics, Computer Science, English, Physical Education — *Percentage: 84.2*

Work Experience

Machine Learning Engineer Intern | *DeepLogic AI* — July 2023 – August 2023

- Developed a Multi-Attribute Hybrid Search Algorithm Suite to significantly improve search functionalities.
- Evaluated and optimized various search algorithms on extensive datasets, enhancing accuracy and efficiency.
- Conducted comprehensive data analysis to identify key performance indicators and drive algorithm improvements.

Machine Learning Engineer Intern | *Beyond Exams* — June 2022 – November 2022

- Designed and deployed a website to classify YouTube videos into educational and non-educational categories.
- Engineered a classification system with over 50 sub-categories for detailed content analysis.
- Created interactive features for users to view video classifications, search videos, and analyze class distribution through visual graphs.

Languages and Technologies

Languages: Python, Java, SQL, R, C, JavaScript.
Technologies: Git, MySQL, MongoDB, OOPS, Bash, Postman.

Relevant Projects

Gym Management System | *Python, SQLite*

- Built a Gym Management system with SQLite and Streamlit, implementing CRUD operations and advanced database management.

YouTube Video Classification for Educational Content | *Python, Deep Learning, CNN, SVM, TensorFlow*

- Engineered an AI model to classify YouTube videos as educational or non-educational using video titles and thumbnails.
- Secured 1st place in the Hack2Educate hackathon, November 2022.

Computer Vision Project | *Python, Jupyter, Pandas, Numpy, OpenCV*

- Led a project to develop a face expression classification model and an exercise body pose classification model.
- Designed and implemented a student attendance system utilizing computer vision for automated and accurate attendance management.

Food Recipe Generator | *Python, Jupyter, Pandas, Numpy, Deep Learning, Spoonacular API*

- Created a tool to generate food recipes from input raw ingredient images using object detection techniques.

Dynamic Blog Website | *JavaScript, MongoDB, HTML, CSS, Node.js*

- Developed a dynamic blog website with a focus on user-centric design and website development best practices.