

Rishabh Sagar

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[LinkedIn](#) — [GitHub](#)

Professional Summary

Innovative and results-driven Machine Learning Engineer with a strong foundation in Information Technology and Mathematical Innovation. Proven track record of developing and implementing advanced machine learning models and data analysis techniques. Adept at leveraging cutting-edge technologies to solve complex problems and enhance operational efficiency.

Interests

Machine Learning, Data Analysis and Visualization, Neural Networks, Computer Vision, Deep Learning.

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: 8.81/10*

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

Research and Work Experience

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

- Created a Multi-Attribute Hybrid Search Algorithm Suite to enhance search functionalities.
- Implemented and tested various search algorithms on large datasets.
- Conducted data analysis to identify key performance metrics and improve algorithm efficiency.

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.
- Implemented a classification system for over 50 sub-categories.
- Developed a feature allowing users to check video classification, search videos directly, and view graphs representing class distribution (e.g., Music, Physics).

N-PVT-CPC Solar Still Analysis | *MATLAB, Heat Transfer, Thermal Analysis* Nov 2022 – May 2023

- Developed a mathematical model for a solar still system using N-PVT-CPC collectors and advanced nanofluids.
- Conducted thermal analysis to evaluate system performance and efficiency.

Languages and Technologies

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

Certifications

Complete A.I. & Machine Learning, Data Science Bootcamp — Udemy
Python, JS, & React — Build A Blockchain & Cryptocurrency — Udemy
The Complete 2022 Web Development Bootcamp — Udemy

Relevant Projects

Portfolio Website (Web Development) | *HTML, CSS, React*

- Designed a sleek and responsive personal portfolio website, demonstrating proficiency in core web development concepts.

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.
- Achieved first 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.

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.

Blog Website (Web Development) | *HTML, CSS, JavaScript, React, NodeJS*

- Built a dynamic blog website, emphasizing website development principles and user-centric design.