

Vishakha Roy

Machine Learning Enthusiast

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CAREER OBJECTIVE

Enthusiastic and detail-oriented Machine Learning practitioner with a strong foundation in Python, Scikit-learn, and data analysis. Passionate about applying ML algorithms to solve real-world problems and eager to contribute to impactful AI-driven solutions through continuous learning and hands-on projects.

EDUCATION

St. John College of Engineering and Management

[May, 2022 – May, 2026]

Bachelor of Engineering in Computer Science

CGPA: 7.5

Indian Institute of Technology Madras[Online Degree]

BS Degree in Data Science and Programming

[January, 2023 – Dec, 2025]

CGPA: 7.8

Delhi Public School, Sushant Lok

[March, 2020 – Feb, 2022]

HSC

Percentage:75%

INTERNSHIPS

CodeHub Technologies India Pvt. Ltd. – Python Full Stack Developer Intern

[May,2025 – July, 2025]

Built responsive full-stack features using Flask and React, handling both API development and UI integration.

Worked on dynamic data rendering, REST API integration, and user authentication.

Edunet Foundation (Virtual Internship Program) – AI ML Intern

[July,2024 – August,2024]

Worked on AI model deployment and data processing with IBM Watson and cloud tools. Participated in project-based learning sessions focused on GenAI and ML applications..

PROJECTS

[Disease Outbreak Prediction System](#)

[Nov, 2024 – December, 2024]

Developed a Streamlit-based disease prediction web app using pre-trained machine learning models to assess risks for diabetes, heart disease, and Parkinson's. Integrated real-time inputs with model-driven outputs for instant, user-friendly health assessments.

[AI-powered phishing email detection](#)

[January, 2025 – Jan, 2025]

Designed and developed an ML based AI-powered phishing email detection system using React, Flask, and Random Forest, integrating Gmail via OAuth2 and Gemini AI to perform real-time inbox scanning, threat analysis, and phishing classification.

[Microsoft Malware Prediction Application](#)

[April, 2025 – April, 2025]

Built a React-based web application that predicts malware infection risk using telemetry data and ML models. Features include CSV upload, real-time predictions, SHAP-based feature analysis, and interactive dashboards.

CERTIFICATIONS

Data Analytics with python[NPTEL, 2024] , **Google Data Analytics**[Coursera,2024] ,**Cloud Computing**[NPTEL , 2024], **Microsoft Excel** [Udemy,2023], **MySQL**[Udemy , 2023]

RESPONSIBILITIES

Volunteer – NSS Unit

[January, 2023 – Feb, 2024]

Participated in digital literacy drives and community outreach programs in rural areas.

SKILLS

- **Technical:** Python, SQL, Excel, Machine Learning, HTML, CSS, JavaScript,
- **Employability:** Problem Solving, Data Interpretation, Critical Thinking
- **Tools/Technologies:** Pandas, NumPy, Matplotlib, Seaborn, Excel, Git , Google Colab, Jupyter Notebook

LANGUAGE PROFICIENCY

English -Intermediate | Hindi - Advance |