

Ayush Kumar Rai

📍 Bengaluru, Karnataka ✉ Gmail ☎ 7619506130 📁 Portfolio in LinkedIn 🐙 Github

About

Technical engineer with hands-on experience in machine learning and web development. Actively learning DSA and core CS concepts. Skilled in Python, C++, Sql, C, Tailwind, OpenCV, and React.

Technical Skills

Languages: Python, C++, Java, JavaScript, SQL, HTML/CSS.

Libraries: scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, OpenCV, Tailwind.

Tools/Platforms: Git, GitHub, Jupyter Notebook, Google Colab, VS Code, Anaconda, Windows/Linux.

Experience

Machine Learning Intern

Skill Craft Technology

Delhi, India

Mar 2025 – Apr 2025

- Completed 4 projects under guidance of mentors in field of Machine Learning using different libraries.
- Achieved 92% (Cat-Dog), 89% (Hand Gesture), K=5 meaningful clusters, and $R^2 = 0.87$ in house price prediction.
- Used scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, and Seaborn for preprocessing, model training, and evaluation.

Projects

Hand Gesture Recognition using SVM

[Link](#) 

- Built SVM-based hand gesture classifier using the leapGestRecog dataset.
- Tools:** Python, scikit-learn, OpenCV, NumPy, Matplotlib.
- Achieved 89% accuracy in multi-class gesture recognition.

Mall Customer Segmentation using K-Means Clustering

[Link](#) 

- Implemented customer segmentation using K-Means clustering on target customers.
- Tools:** Python, Kaggle, Spyder, Pandas, Seaborn.
- Identified optimal clusters $K = 5$ based on the elbow method and improved targeting of the customer group.

Personalized Portfolio Website

[Live Demo](#) 

- Customized and deployed a personal portfolio using React.js and Tailwind CSS.
- Tools:** HTML, CSS, React.js, Tailwind CSS, Vercel.
- Modified layout, content, and images from a template and deployed on vercel.

Certifications

Artificial Intelligence Foundation: Neural Networks

[Link](#) 

Exploratory Data Analysis for Machine Learning

[Link](#) 

Google AI essentials

[Link](#) 

Intuition Building for Machine Learning Deep Learning

[Link](#) 

Coding Platforms

Active problem solver at Leetcode

[Link](#) 

Active Problem solver at GeeksForGeeks.

[Link](#) 

Education

Sai Vidya Institute of Technology

2022 – 2026

BE in Computer Science(Artificial Intelligence and Machine Learning)

CGPA : 9.0/10