

# Aayansh Tarafdar

Software Engineer — Machine Learning Engineer — Competitive Programmer

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Github: [ayannshh](#)

Portfolio: [Aayansh Portfolio](#)

Coding Profiles: 4\* [CodeChef \(Global Rank 27\)](#) — Specialist [Codeforces \(1458, Top 7%\)](#) — Newbie [LeetCode \(1601, Top 22.94%\)](#)

## EDUCATION

**Bennett University, Noida, India**

2023 – 2027

*Bachelor of Technology in Computer Science Engineering*

**Relevant Coursework**

*Data Structures, OOP, DBMS, Digital Design, Machine Learning*

**Ashok Public School, India**

2023

*Senior Secondary (CBSE) – PCM*

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, JavaScript

**Frameworks/Tools:** HTML5, CSS, React, Bootstrap, MongoDB, MySQL, Git, Figma, Google Firebase

**Machine Learning:** Pandas, Numpy, Scikit-learn, TensorFlow, Keras, OpenCV, Matplotlib

**ML Concepts:** Statistical Machine Learning, Data Preprocessing, Data Analysis, Data Visualization, Data Cleaning, Feature Scaling

**Web Development:** HTML5, CSS, JavaScript, React Js, Figma

## EXPERIENCE

**Tata Group – Data & AI Engineering Internship**

Aug 2025

*Data Analytics & AI Strategy*

*Remote*

- Completed a simulation involving AI-powered data analytics and strategy development for Tata iQ.
- Conducted EDA using GenAI tools to assess data quality, identify risk indicators, and prepare insights for predictive modeling.
- Designed an AI-driven collections strategy incorporating agentic AI, automation, ethical AI principles, and compliance.

## PROJECTS

**LocalEyes** ( [Repo](#) — [Web](#) )

- Developed a responsive web application using HTML, CSS, and JavaScript to showcase local businesses and attractions.
- Integrated a JSON-based database to dynamically render content, enabling easy updates and scalability.
- Utilized Figma for UI/UX design, creating clean and user-friendly interfaces before implementation.
- Added features like search filters and category-based browsing, enhancing user engagement and navigation efficiency.

**Portfolio Website** ( [Repo](#) — [Web](#) )

- Designed and built a personal portfolio website using HTML, CSS, and JavaScript.
- Implemented smooth animations and responsive layouts for a modern user experience.
- Showcases skills, projects, and achievements in a clean and interactive format.

**AI Image Colorizer** ( [Repo](#) — [Web](#) )

- Built a machine learning model to automatically colorize black and white images using AI.
- Used deep learning techniques and CNN architectures to learn color mappings from large image datasets.
- Preprocessed grayscale image data and trained the model using Python, NumPy, TensorFlow/Keras.

## ACHIEVEMENTS

- **4 STAR CodeChef: 1844 (Best Rating, Top 2.37% Globally, Best Global Rank: 27)** [Profile link](#)
- **Specialist - 1458 (Best) rating on Codeforces (Top 7% Globally)** [Profile link](#)
- **LeetCode Rating: 1656 (Top 16.66%), solved 400+ problems** in DP, Graphs, Data Structures [Profile link](#)
- **Solved 900+ DSA** and logical programming problems across platforms [Compiled Profile link](#)
- Secured **Rank 4 among 640 teams** in internal SIH Hackathon 2025 [Post link](#)
- **5\*** in C++ and Python at Hackerrank [Profile Link](#)
- Achieved Global Peak Rank of 2022 on Codolio based on overall performance