

Aayansh Tarafdar

Software Engineer — Machine Learning Engineer — Competitive Programmer

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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