

# Ayush Bhardwaj

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## Introduction

Aspiring Software Engineer with a strong interest in software development and a solid foundation in web technologies and software frameworks. Passionate about building scalable, efficient applications and continuously learning modern tech stacks to solve real-world problems.

## Education

**Noida Institute of Engineering and Technology**, Btech CSE-AIML 2022-2026

- GPA: 7.91

**RADIANT ACADEMY**, Noida, 12th 2021-2022

- Percentage:-80.3

## Achievements and Competitions

**Trinit Hackathon**- Python, Keras, Neural Networks Sep-2024

- Participated in the TriNit Hackathon, collaborating with a team and developed a Image Caption generator gaining hands on experience in development and teamwork.

## Projects

**1. Twitter Agent** github/X.git

- A lightweight AI-powered Twitter automation agent built using the Model Context Protocol (MCP) server architecture. With a single natural language prompt from the terminal, the agent generates a context-aware tweet and posts it to Twitter. The project showcases seamless integration of LLMs with real-time command-line interfaces and social media APIs for automated, intelligent content creation.
- Tools Used: MCP-server, Express, Nodejs, javascript, Gemini-2.5-flash

**2. Discuss - A community Platform** github/Discuss.git

- Developed a full-stack discussion forum web application where users can explore topics, create and join discussions, and share posts with each others. Used Next-auth for user authentication with Github as a provider.
- Tools Used: Next.js, NextAuth, Typescript, ShadCn, Reactbits, Prisma, Tailwind, Sqlite.

**3. Image Enhancer** github/image-improver.git

- Built a responsive and user-friendly web application that enhances image quality using AI-powered APIs. The tool allows users to upload low-resolution or blurry images and receive high-definition, visually improved versions within seconds.
- Tools Used: React, Tailwind, Cloudflare Pages, API-development, Axios.

**4. IPL Match Winner Predictor** github.com/IPL.git

- Built a machine learning model using logistic regression to predict IPL match winners based on historical data. The project analyzes team performance, venue impact, and other key factors to provide data-driven predictions
- Tools Used:- Python, Pandas, NumPy, Scikit-Learn, Matplotlib, Logistic Regression

## Technologies

**Proficient With:** Python, Javascript, Typescript, HTML, CSS, NextJS, Git, NodeJS, Express, React, Data Structures, Tailwind, Github.

**Have Knowledge about:** SQL, NoSQL, Prisma, Cloudflare, ML-algo, REST API's, Socket.io, MCP-servers, Web-LLM's, GenAI.

## Certifications

**IBM AI Certifications:** Introduction to AI (88.87%), AI using IBM Watson (93%), AI Chatbots (90%). **University of Toronto:** Human centered Design for Inclusive Innovation. **University of Michigan:** Python Basics(100%) **Rice University:** Python for Data Analytics(94%) | Statistical Analysis.(89%)