AMIT KUMAR GARAI

Python Developer | Aspiring ML Engineer

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PROFILE

Driven BCA student with a strong foundation in Python, Machine Learning, and Backend Automation. Passionate about building intelligent tools that solve real-world problems. Skilled in writing clean, efficient code and integrating AI APIs into practical applications.

SKILLS

Languages

- Python (Advanced)
- C / C++
- JavaScript
- HTML5 / CSS3

Core Technical

- Machine Learning (Scikit-Learn)
- Data Analysis (Pandas, NumPy)
- Web Automation (Playwright)
- REST APIs Integration

Tools

- Git / GitHub
- VS Code
- Google Gemini API
- Linux / Terminal

EDUCATION

Bachelor of Computer Applications
MAKAUT, West Bengal
2025 - Present

Higher Secondary (Class 12)
CBSE Board
Completed 2024

Secondary Education (Class 10)
ICSE Board
Completed 2022

PROJECTS

Epic Games Auto Claimer

`Python, Playwright`

- Developed a robust automation bot to log in and claim weekly free games from the Epic Games Store without human intervention.
- Implemented advanced error handling and logging to track successful claims and debug login sessions.
- Solved the problem of manual repetition by automating a recurring task using browser automation technologies.

Personal Portfolio with AI Twin

`HTML, CSS, JS, Gemini API`

- Designed and deployed a futuristic "Linux-Terminal" themed portfolio website hosted on GitHub Pages (amitcodes.in).
- Integrated Google's Gemini 2.5 Flash API to create a "Digital Twin" chatbot that answers visitor questions about background in real-time.
- Built a custom neural-network canvas animation to visually represent interest in AI and Machine Learning.

Iris & MNIST Classification Models

`Python, Scikit-Learn`

- Built supervised machine learning models to accurately classify datasets, including the classic Iris flower dataset and MNIST handwritten digits.
- Utilized Pandas and NumPy for complex data preprocessing and normalization.
- Applied Support Vector Machines (SVM) to achieve high prediction accuracy, demonstrating a solid grasp of ML pipelines.

Spam Detection System

`Python, NLP`

- Created a text classification model to identify and filter spam messages using Natural Language Processing (NLP) techniques.
- Analyzed text patterns to improve filtering accuracy for SMS and Email datasets.

CERTIFICATIONS & LEARNING

- **Python for Data Science** (Self-Paced Learning)
- **Backend Automation with Playwright** (Practical Implementation)
- Currently learning **Data Structures & Algorithms (DSA)** in C++ to improve problem-solving efficiency and prepare for competitive programming.