

# Aman Dey

DATA SCIENCE ENTHUSIAST · EXPLORING OPEN SOURCE DEVELOPMENT

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“Life doesn’t always give, sometimes, you must be the one who creates the change.”

## Summary

First-year Computer Science and Engineering student at Jalpaiguri Government Engineering College, passionate about building impactful digital products. Experienced in Python, HTML, CSS, JavaScript, UI/UX design, and basic cybersecurity. Enthusiastic about open-source contributions, CTFs, and full-stack development. Eager to learn, collaborate, and innovate across diverse technical domains.

## Education

### Indian Institute of Technology Madras (IIT-M)

BS DEGREE IN DATA SCIENCE AND APPLICATIONS

Hybrid, India

May 2025 - Present

### Jalpaiguri Government Engineering College (JGEC)

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Jalpaiguri, West Bengal, India

Aug. 2024 - Present

### Army Public School, Barrackpore (APS, BKP)

CBSE 10+2

Kolkata, West Bengal, India

Apr. 2011 - May 2023

- I was the Cyber Captain of my school for the academic year 2019 - 2020.

## Projects

### The Wizard Files — Harry Potter Character Directory Website

HTML, CSS, BOOTSTRAP

[Website Link](#) | [GitHub Repository](#)

2025

- Designed and developed a fully responsive website that categorizes and displays Harry Potter characters with and without surnames.
- Integrated contact functionality securely using Web3Forms with validation and email handling.
- Used custom fonts (like Harry P) and transparent card backgrounds to create a unique and immersive experience.

### Lock Vault — A secure, standalone GUI password manager application

PYTHON, TKINTER, PILLOW

[GitHub Repository](#)

2024

- Developed a Python-based desktop application using Tkinter for managing and storing website credentials.
- Integrated random password generator with automatically copy to clipboard support and form validation.
- Data stored in a local ‘.txt’ file with automatic creation if not present.

### Turtly Viper — A classic snake game of speed, survival, and snacks

PYTHON, TURTLE GRAPHICS

[GitHub Repository](#)

2024

- Built a classic Snake game from scratch using Python’s built-in turtle graphics module.
- Designed modular architecture with separate classes for snake movement, food generation, and score tracking.
- Implemented real-time collision detection, dynamic food spawning, and score updates.
- Features smooth arrow-key control, self-collision logic, and game-over handling.

## Technical Skills

**Languages** Python, C, C++, SQL

**Web Technologies** HTML, CSS, JavaScript, Bootstrap

**Tools & Platforms** Git, GitHub, Tkinter