

Sayan Bhattacharyya

Software Development Engineer

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Summary

I am a full-stack developer pursuing a B.Tech in Computer Science & Engineering at Amity University, Haryana. I am **graduating in June 2025**. Proficient in **Python, JavaScript, TypeScript, Flask, and the MERN stack**, I thrive as both a **team player and leader** in dynamic, high-pressure environments. I am passionate about building **scalable applications** and contributing to **open source**.

Education

Amity University, Haryana, B.Tech in Computer Science & Engineering Sept 2021 – June 2025

- GPA: 9.1/10.0
- Activities: Student Coordinator, Corporate Resource Centre (CRC) - Collaborated with CRC team and departments to achieve **100% participation in campus drives**

Don Bosco School, New Delhi, Senior Secondary in Computer Science Apr 2019 – July 2021

- Percentage: 96.6%
- Activities: **President, SynTech Club** - Organized **3 coding competitions and 2 workshops engaging over 100 participants** | **Senior Member, Mathematics Club** - Organized **1 math quiz and 5 workshops with over 50 participants**

Experience

Summer Research Intern, National Institute of Technology – New Delhi, DL, India June 2024 – July 2024

- Collaborated with a team of 3 to blueprint an **IoT-based smart irrigation system** - SprinkLink, leveraging problem-solving skills
- Proposed **water reduction of up to 30%** by using soil moisture sensors and weather data to optimize irrigation scheduling

Python Development Intern, CodeClause – Pune, MH, India (Remote) Aug 2023 – Sept 2023

- Created a Typing Speed Test GUI using Tkinter, having WPM calculation with up to **95% accuracy** showcasing user-focused design

Projects

Expense Tracker [GitHub - Sn1F3rt/expense-tracker](https://github.com/Sn1F3rt/expense-tracker)

- Developed an expense tracker **REST API** with a basic dashboard and **CRUD** functionality to add, update and delete expenses
- Tools Used: Node.js, Express.js, EJS, JSON Server

NerVault [GitHub - nerva-project/NerVault](https://github.com/nerva-project/NerVault)

- Created a **custodial web wallet** for the Nerva (XNV) cryptocurrency, with **CRUD** functionality, including email-verification based authentication, making deposits, sending transactions (with QR code support), and exporting wallet keys
- Tools Used: Flask, MongoDB, PIL, nerva-py

BlogChain [GitHub - Sn1F3rt/BlogChain](https://github.com/Sn1F3rt/BlogChain)

- Implemented a decentralized blogging platform with **CRUD** functionality and **Web3-based user authentication** using native Pythonic implementation of the **Sign-In with Ethereum (SIWE)** protocol
- Tools Used: Flask, MySQL, web3.py, siwe-py

Skills

Languages: Python, JavaScript, TypeScript, HTML, CSS, Tailwind CSS

Frameworks: Django, Flask, Node.js, Express.js, React.js, Vue.js

Databases: MySQL, MongoDB

DevOps: Git, GitHub, Docker, CI/CD, Nginx

Operating Systems: Windows, Linux, Shell Scripting

Languages: English (fluent), French (beginner), Hindi (fluent), Bengali (native)

Certifications

Google Cybersecurity Specialization: Certificate ID - [VGJ37YR52SQH](#)

CS50's Introduction to Programming with Python (edX): Certificate ID - [ab65072be8d34a27acc02e2d6eca6b60](#)