

Samanwaya Datta

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🌐 [Samanwaya Datta](#) | 🌐 [Sammie156](#) | [Portfolio](#)

Education

Vellore Institute of Technology, Chennai

Aug 2023 – Present

B.Tech in Electrical and Computer Science — CGPA: 8.86

St. Patrick's Higher Secondary School, Asansol

2010 – 2023

10th: 95% — 12th: 93%

Experience

JavaScript Intern – Atyantik Technologies

May 2025 – Jul 2025

- Implemented RESTful API integrations, reducing data fetch times by 20% and improving user experience.
- Designed reusable UI components and optimized state management, enhancing scalability of large applications.
- Collaborated in Agile sprints with senior developers, using Git/GitHub for version control and peer reviews.

Technical Skills

- **Languages:** C++, C, Java, Python, Go, JavaScript
- **Web Development:** MERN Stack, TailwindCSS, RESTful APIs, JWT Authentication
- **Databases:** MongoDB, MySQL, MongoDB Atlas
- **Tools & Platforms:** Git, GitHub, Postman, Node-RED, AWS (basic)
- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, IoT

Projects

Go-PasteMyst – API Client Library

[Source Code](#)

- Developed a robust Go client library for the PasteMyst API, simplifying code snippet sharing for developers.
- Implemented full coverage of REST endpoints including paste creation, retrieval, and secure private paste management using `net/http`.
- Designed strongly-typed structs with JSON serialization to ensure type safety and reduce runtime errors.
- Wrote comprehensive unit tests and documentation to facilitate easy integration and open-source adoption.
- **Tech Stack:** Go, RESTful APIs, JSON, Unit Testing, Git

DummyProducts – Full-Stack E-Commerce App

[Source Code](#)

- Implemented an e-commerce platform featuring user authentication and product backend within a two-week sprint, leading to a successful demonstration for stakeholders.
- Built an admin dashboard for CRUD operations, strengthening maintainability and data security.
- **Tech Stack:** React, Node.js, Express, MongoDB, TailwindCSS, JWT

Leadership & Extracurriculars

Director – Theatre Production

Feb 2025

- Directed and managed a 15+ member team for a stage-play competition; awarded *Best Director*.

Awards

- **Best Director** – Riviera 2025 Stage-Play Competition Feb 2025
- **All-Rounder Excellence Award** – St. Patrick's Higher Secondary School May 2023