



Shashwata Samanta

B.Tech.

Computer Science and Engineering spl. AI and Robotics
Vellore Institute of Technology, Chennai

+91-8583060576

✉ shashwata2003samanta@gmail.com

🌐 shashwata2003

in Shashwata Samanta

🌐 Website

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
B.Tech.	Vellore Institute of Technology	9.10/10	2021-Present
Senior Secondary	CBSE Board	95.4%	2021
Secondary	CBSE Board	92.6%	2019

EXPERIENCE

- **Thru-put Management Systems Pvt Ltd** Aug 2023 - Dec 2023
Software Development Intern Navi Mumbai, Maharashtra
 - Led enhancements on Tantum Software
 - Created and enhanced APIs
 - Implemented DRY and SOLID principles
 - Implemented Load Capacity model
 - Played a management role in overseeing projects
 - Crafted content for the DIY program
 - Enhancement of TPMS mobile app

PROJECTS

- **CollabDocs** GitHub
– Collaborative document editing platform similar to Google Docs. Deployed
– Tech Stack: React, Firebase, TailwindCSS
- **BuzzChat** GitHub
– Real-time chatting application allowing users to send and receive messages instantly. Deployed
– Tech Stack: React, Firebase, Chat Engine
- **ChessMaster AI** GitHub
– Neural network-based chess engine utilizing Minimax and Alpha-Beta Pruning algorithms. GitHub
– Tech Stack: Python, TensorFlow/Keras, NumPy, Pygame
- **CaptionMaster** GitHub
– Automated image caption generator using deep learning techniques. GitHub
– Tech Stack: Python, TensorFlow/Keras

RESEARCH PROJECTS

- **Dynamic Programming for Optimized Hybrid Data Compression using Huffman Coding and Lempel-Ziv-Welch Algorithm**
(Dr. Suguna M, Shashwata Samanta, Shakalya Garg, Kaustubh Dwivedi, Sai Krishna Ravullapali) (UNDER REVIEW)
- **Navigating Sentiment Analysis Landscapes: A Comparative Evaluation of LLM, RoBERTa, and VADER Models**
(Dr. Suguna M, Shashwata Samanta, Shakalya Garg) (UNDER REVIEW)

POSITIONS OF RESPONSIBILITY

- **Editor**, SCOPE, Vellore Institute of Technology, Chennai Aug. 2021 - Present
– Editor for the Department's Monthly Newsletter
- **Content Lead**, VSYINC, Vellore Institute of Technology, Chennai Aug. 2023 - Mar. 2024
– Led the content teams of the club.
– Managed the workforce to ensure optimal output.
- **Editor**, Vibrance, Vellore Institute of Technology, Chennai Jun 2023
– Part of the Editorial team in the college Fest called Vibrance..
- **Technical Member**, CYSCOM, Vellore Institute of Technology, Chennai Aug. 2021 - Dec. 2023
– Wrote Multiple technical Blogs for the club's Blog page.
– Made a custom SSRF challenge for the CyberDefenders event.
– Worked on the CyberDefenders Promotional Website.
– Member of the Organizing committee in HackOverFlow.
- **Management Team**, Trekking Club, Vellore Institute of Technology, Chennai Aug. 2021 - 2021
– Conducted and hosted multiple events for the club.
– Actively participating and coordinating with the team to make the events successful.

SKILLS

- **Programming**: Python, Java, C, Cpp (Object Oriented Programming)
- **Front-End**: HTML, CSS, React, JavaScript (responsive & accessible web apps)
- **Back-End**: Node.js, MongoDB (SSR, REST API, DB modeling)
- **Operating Systems**: Windows, Linux, ROS
- **Version Control**: Git (repositories, branches, pull requests)
- **Non Technical**: Content Writing, Team Management, Leadership, Adaptability