

Vishnu Vardhan

Email: vishnuvardhan3965@gmail.com · Phone: +91-7907332819 · Portfolio: vishnu-vardhan.in
GitHub: github.com/vishnuvardhan3965-hub · LinkedIn: linkedin.com/in/vishnu-vardhan-414b5b373

Career Objective

First-year Computer Science and Engineering (AI & Data Science) student who works independently and follows through: holder of a CERT-In acknowledged security disclosure, comfortable across systems-level C programming, applied AI, and self-directed mathematical and cryptographic research. Looking to bring that same self-directed rigor into a collaborative engineering environment.

Education

B.E. CSE (AI & Data Science) – Sapthagiri College of Engineering (Sapthagiri NPS University)	SGPA 7.20 (Sem 1)	2025–29*
PU (12th) (Physics, Chemistry, Maths, CS) – GHSS Sivapuram, Kozhikode (Kerala Board)	84.17%	2024
SSLC (10th) – Govt. H.S.S. Kokkalloor (Kerala State Board)	9 A+, 1 A	2022

*Pursuing, expected 2029

Technical Skills

Languages:

C, C++, Python, JavaScript, HTML/CSS

Systems: POSIX system calls, shell internals, Linux

Security: Responsible disclosure, vulnerability analysis, threat modeling, Kali Linux, Tails OS, Wireshark, Burp Suite

AI / Data: Applied AI fundamentals, computer vision basics (Azure Cognitive Services)

Tools: Git, Flask, Pyodide/WebAssembly

Projects / Internships

Independent Responsible Disclosure

2026

CERT-In Acknowledged Vulnerability Disclosure

- Identified and responsibly disclosed a lockscreen authentication bypass (CWE-287) affecting Vivo iQOO Z9s Pro 5G and select Xiaomi devices; acknowledged by the Indian Computer Emergency Response Team (CERT-In, Ref: CERTIn-96182825), patched in Lockscreen Poster v7.7.0.10.

NULLCORE - Client-Side Encrypted File Vault

2026

HTML, JavaScript, Client-Side Cryptography

- Built a backend-less encrypted file vault: files are compressed and encrypted entirely client-side so only the holder of the key can decrypt them, with the ciphertext stored on a public paste service as opaque, undecryptable storage, and a separate edit-key required to modify or delete a file.

Personal Research Portfolio (vishnu-vardhan.in)

2026

HTML, CSS, JavaScript, Pyodide/WebAssembly

- Designed and built a research-focused portfolio site from scratch (no framework), including interactive client-side Collatz-notation tools and technical write-ups on security trade-offs.

Rail-and-Branch Notation for the Collatz Conjecture

2026

Independent Mathematical Research

- Devised a positional addressing notation (nX_k, nY_k) for Collatz trajectories, avoiding the branch-overlap problem of conventional 2D/3D Collatz tree plots.

Mini-Shell in C

2026

C, POSIX System Calls

- Built a Unix-like shell implementing multi-stage pipe handling with `fork()`, `pipe()`, `dup2()`, `waitpid()`.

Certificates and Workshops

- Build a Computer Vision App with Azure Cognitive Services** – Microsoft, via Coursera (2026)
- Introduction to Modern AI** – Cisco Networking Academy, Sapthagiri College of Engineering (2026)
- Apply AI: Analyze Customer Reviews** – Cisco Networking Academy, Sapthagiri College of Engineering (2025)
- Business English: Professional E-mail Writing** – Infosys Springboard (2026)
- Effective Communication Skills Verbal and Non-Verbal Training** – Infosys Springboard (2026)
- 2nd Place, English Debate** – AURAFESTA 2.0, Sapthagiri NPS University (May 2026)

Hobbies & Beyond Academics

Chess, walking, skipping rope, workout, listening to philosophy, reading books.

Declaration

I hereby declare that the above information is true to the best of my knowledge.

Vishnu Vardhan