

AAKARSH GOPISHETTY

Computer Science Undergraduate (Cybersecurity) | Aspiring AI-Native Software Engineer

Hyderabad, Telangana | gopishettyaakarsh@gmail.com | +91 7780359833 | [LinkedIn](#) | [GitHub](#)

PROFILE

Computer Science undergraduate specializing in Cybersecurity, with strong fundamentals in Python, Java, and JavaScript and a solid grounding in object-oriented programming and data structures. Hands-on experience across web development, blockchain, and cybersecurity projects, using AI-assisted tools for code generation, debugging, and design ideation while applying independent technical judgment during implementation. Genuinely curious about how AI agents reason and behave, and actively building skills in prompt and context engineering. Comfortable with Git, Linux, and command-line workflows; strong written communicator with experience producing specs, technical reports, and documentation.

INTERNSHIP EXPERIENCE

Blockchain Development Intern — NIT Warangal

06/2026 – Present

Warangal, Telangana

- Serving as Application and Integration Lead on VeriBlock, a blockchain-based document verification platform built with Next.js, Solidity smart contracts on the Polygon Amoy testnet, ethers.js v6, and IPFS (via Pinata) for decentralized document storage.
- Developed and deployed Solidity smart contracts for issuing, verifying, and revoking document hashes, and built the supporting API routes (/issue, /verify, /revoke) with JWT-based authentication.
- Worked across frontend, blockchain integration, and system architecture — using AI-assisted tools to speed up debugging and implementation while independently validating contract logic and API behavior — and contributed to a detailed technical project report.

Web Development Intern — SkillEdu Varsity

06/2026 – Present

Remote

- Designed and developed multiple web pages (Programs, Platforms, Learnacations, and others) using WordPress and Elementor, following a consistent design system across the site.
- Built responsive layouts, UI elements, forms, and interactive components, including a "Who We Serve" modal feature and a student subpage.
- Used AI-assisted tools for design ideation, code generation, and debugging while applying technical judgment during implementation, and resolved website issues to improve user experience.

Web Development Intern — Optern

08/2025 – 12/2025

Remote

- Worked on frontend and backend development for a Job Portal application as part of a hands-on internship program, following real-world development workflows and team deadlines.
- Strengthened understanding of web application architecture, debugging, and deployment readiness through direct collaboration with team members.

Cybersecurity Intern — Tamizhan Skills

05/2025 – 06/2025

Remote

- Completed 8 hands-on security projects, including phishing detection, a keylogger, a ransomware simulator, and a port scanner.
- Developed a phishing classifier using Python and scikit-learn; strengthened Linux and ethical hacking fundamentals.

Web Developer Intern — Pravara IT Solutions

07/2023 – 08/2023

Warangal, Telangana

- Developed a secure login authentication system using PHP, MySQL, HTML, CSS, and Bootstrap, following the SDLC from planning through deployment.

EDUCATION

B.Tech, Computer Science and Engineering (Cybersecurity) — JNTUH College of Engineering, Hyderabad 2023 – 2027

CGPA: 8.97 | Hyderabad

Board of Intermediate Education (MPC) — Sri Junior College

2021 – 2023

Percentage: 97.9%

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C, PHP

Fundamentals: Object-Oriented Programming, Data Structures & Algorithms (340+ problems solved on LeetCode)

Frontend: HTML5, CSS3, React.js, Next.js, Bootstrap, WordPress, Elementor

Backend: Node.js, Express.js, Django REST Framework, REST API design

Databases: MongoDB, MySQL, SQLite

Blockchain: Solidity, Ethereum, EVM, Web3.js / ethers.js, Polygon

Cybersecurity & ML: scikit-learn, phishing/malware analysis fundamentals, Linux, ethical hacking basics

Tools & Platforms: Git, GitHub, VS Code, Linux, Command-Line Tools

AI & LLMs: Hands-on experience with AI-assisted development tools (code generation, debugging, design ideation); building skills in prompt and context engineering

Currently Exploring: Docker & containerization, CI/CD basics, cloud deployment (AWS/Vercel)

PROJECTS

Digital Forensic Timeline Reconstructor (DFTR) [GitHub](#)

- Designed and developed a Python-based digital forensic tool that automatically collects, correlates, and reconstructs a chronological timeline of system and user activity on Windows systems, helping investigators understand what happened, when, and in what sequence.

FinTrack — Personal Finance Tracker [GitHub](#)

- Built a responsive personal finance web app for managing bank accounts, daily expenses, and reminders, with client-side CRUD operations and persistent storage using JavaScript and LocalStorage.
- Implemented expense categorization, date filtering, reminder management, and financial summaries; used AI-assisted development for UI prototyping and debugging while validating generated code.

CPU Scheduling Simulation

- Built a Java (Swing) simulation tool implementing OS scheduling algorithms (FCFS, SJF, Round Robin, and others) to demonstrate process scheduling concepts.

CERTIFICATIONS

- Summer of AI 2025 — Swecha Foundation
- Networking Basics — Cisco Networking Academy
- Certified SME Cyber Security Officer — EU Cyber Academy
- Java (Basic), Python (Basic), Problem Solving (Basic) — HackerRank
- MERN — Knowledge Gate
- Touch Typist

ADDITIONAL INFORMATION

- Student Coordinator, JNTUH — Initiated and led the Cybersecurity Club at JNTUH; Coordinator of the Coding Club; served as Class Representative, Placement Coordinator, and Fest Coordinator.
- Problem Solving — Solved 340+ algorithmic and data structure problems on LeetCode.
- Open Source Contributor, OWASP — Contributed changes to the OWASP Cheat Sheet Series.