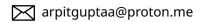
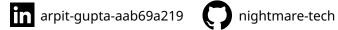
Arpit Gupta









OBJECTIVE

Dedicated Computer Science Engineering student seeking a challenging opportunity to apply and expand my skills in full-stack software development, cloud computing, and systems programming. Eager to contribute to innovative projects and gain handson industry experience.

SKILLS

- Languages: C/C++, Bash, Python, Rust
- Miscellaneous: Git, SQL, Linux, Cybersecurity, Networking
- Front End Development: HTML, CSS
- **Back End Development:** Python (Flask)
- Soft Skills: Time Management, Work Ethic

WORK EXPERIENCE

IGT Solutions, Gurgaon, Haryana | May 2025 - July 2025 Intern

PROJECTS

Secure Storage | Python, Flask, HTML, CSS, Cryptography

github.com/nightmare-tech/secure_storage

- A CLI password manager for secure everyday use.
- Implemented PBKDF2 & SHA-256 encryption
- Master password authentication
- Emphasized usability & security

Secure Storage | Python, Flask, HTML, CSS, Cryptography

github.com/nightmare-tech/secure_storage

- Developed "Secure Storage" Web Application: file storage and management
- Prioritizing data security and ease of use.
- Implemented AES-256 Encryption

ROSS (Rust Operating System from Scratch) | Rust

github.com/nightmare-tech/ross

- Developed minimalist OS from scratch:
- Built using Rust to explore memory-safe systems programming and OS architecture fundamentals.
- Leveraged Rust's memory safety
- Ongoing project: Deepening expertise in OS internals (process scheduling, memory allocation, I/O systems).
- Designed as a learning platform: Experimenting with kernel development, hardware interaction, and Rust's ownership model.

EDUCATION

- VIT Bhopal University, Madhya Pradesh, India | Sep 2022 Aug 2026) B.Tech, Computer Science Engineering
- Bosco Public School, New Delhi, India | Mar 2022 **High School**

CERTIFICATES

An Introduction to Artificial Intelligence, NPTEL | May 2024