



VAIBHAV SHELKE

A third-year CSE student with a foundation in web development and data structures & algorithms (DSA). Seeking an entry-level position in the IT sector to apply my growing technical skills and contribute effectively to a dynamic team while continuing to learn and develop professionally.

Contact



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tal.mulshi, dist.pune 412115

Education

● Computer science engineering

under graduate
APCOER, parvati, pune

● HSC

63%
2022
MIT, Kothrud

● SSC

84%
2020
Abhinav vidyalaya, Nalstop

Skills

- HTML
- CSS
- JAVA SCRIPT
- C++

Projects

● LI-FI

2023-2024

Developed a LiFi data transmission model using Arduino, where I designed a device capable of transmitting data through light. The system utilized a light fluctuation technique to encode data, and a receiver sensor was used to detect and convert the light signals into binary form. This project demonstrated the potential of LiFi technology as an innovative approach for high-speed wireless communication through visible light.

● Research Paper

2024-2025

Conducted an in-depth research project on IoT-based smart home systems, with a focus on addressing cybersecurity and privacy concerns. The study analyzed various security threats and vulnerabilities in smart home environments, proposing solutions such as dual-band Wi-Fi strategies and geolocation-based authentication to enhance protection.

Language

● English

● Marathi

● Hindi