

Aviral Yadav

Computer Science and Engineering (Cyber Security and Digital Forensics)

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EDUCATION

B.Tech - Electronics and Communication Engineering

2022 - 2026

Vellore Institute of Technology, Bhopal

B.Tech Computer Science and Engineering Specialization in Cyber Security and Digital Forensics (CGPA: 7.75)

Studied core subjects like Data Structures and Analysis of Algorithms, Operating Systems, Network Security Database Management Systems, and Computer Networks. Developed a strong foundation in programming, problem-solving skills.in a challenging security environment.

High Schooling

2019 - 2021

Mount Litera Zee School, Gorakhpur

High Schooling - PCM + C.S. (12th: 89% | 10th: 77.3%)

Completed high school with a focus on Physics, Chemistry, and Mathematics. Gained a strong analytical foundation, problem-solving skills, and practical knowledge in scientific concepts, preparing for an engineering career.

EXPERIENCE

Intern – Web Development & Data Automation

QuantAI | [May, 2025] – Present

- Currently interning at QuantAI, a company specializing in AI-driven solutions and data analytics.
- Contributed to real-world projects involving automation and intelligent data extraction.
- Developed a robust web scraping solution to extract and aggregate product data from major e-commerce platforms, handling dynamic content using tools like **BeautifulSoup** and **Selenium**.
- Gained hands-on experience in **Python**, **Flask**, and web technologies while working with real-time data and optimizing scripts for reliability and performance.

PROJECTS

Encrypted Keyboard for Secure Data Input| Software Project | Project Exhibition-01, VIT Bhopal

Designed and developed an Encrypted Keyboard to enhance data security by encrypting keystrokes in real time, preventing keylogging attacks and unauthorized access. Developed the keyboard using Python/Java, custom encryption algorithms, and secure communication protocols.

Secure Data Processing using Homomorphic Encryption | Project Exhibition-02, VIT Bhopal

Developed a secure data encryption system utilizing Homomorphic Encryption to enable computations on encrypted data without decryption, ensuring privacy and security in cloud computing environments.

SKILLS

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|----------------------|--------------|-------------|
| • C/C++ | • HTML | • React |
| • Java Programming | • CSS | • MySQL |
| • Python Programming | • JavaScript | • MS Office |
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CERTIFICATIONS

- MongoDB Database, FacePrep (01/2025 to 03/2025)
 - VLSI Designing Certification, Mavin Silicon (01/2025 to 03/2025)
 - Bits and Bytes of Computer Networking, Coursera (11/2023 to 02/2024)
 - Foundation of Cyber Physical Systems, NPTEL (01/2024 to 04/2024)
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EXTRACURRICULAR ACTIVITIES

- **Cricket Enthusiast** – Actively participated in local tournaments, showcasing sportsmanship and teamwork.
- **Social Media Engagement** – Managed and promoted events through digital platforms, increasing outreach and engagement.