

SUBHAM AGARWAL

Bhopal, Madhya Pradesh, India

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Education

VIT Bhopal University

2022 – 2026

Computer Science and Engineering (Majors in Cyber Security and Digital Forensics)

CGPA: 9.17

St. James' School Binnaguri, ISC Board

2021 – 2022

Class XII (Senior Secondary Education)

Percentage: 89.6%

St. James' School Binnaguri, ICSE Board

2019 – 2020

Class X (Secondary Education)

Percentage: 89.4%

Skills

Technical Skills: Java, Python, GenAI, LLMs, JavaScript, SQL, HTML, CSS, Excel, MATLAB, Data Analytics, Machine Learning, Deep Learning, Computer Vision, AI Frameworks, TypeScript, PHP, Git, Wireshark, NMap, MERN, Postman, AWS.

Soft Skills: Communication, Collaboration, Leadership, Teamwork.

Work Experience

Red Users — Cyber Security Intern

March 2024 – May 2024

- Performed vulnerability assessments using Nessus, Wireshark, OpenVAS, TCPdump.
- Implemented encryption, firewall rules, and secure access protocols.
- Developing IDS system for the protection of packets and capturing packets for the traffic flow in network.

Projects

KinderConnect-AI as Psychiatrist

February 2025

- Developed an AI-driven virtual psychiatrist platform using Machine Learning (Random Forest, Decision Tree, Naïve Bayes) and React to support children's mental health.
- Implemented two-phase architecture:
 - **Phase 1:** Direct psychiatrist consultation via video calls for personalized support.
 - **Phase 2:** Interactive 3D virtual chatbot leveraging NLP and sentiment analysis for automated engagement.

ShadowStamp – AI & Cyber-Based Anti-Piracy System

April–May 2025

- Researched advanced tracking (**QR codes, watermarks, steganography, FFT, Solana blockchain**) and implemented **invisible security markers** with **OpenCV** and **deep learning**.
- Planned **real-time detection** using **YOLO, Optical Flow**, and **neural networks** for **mobile and wearable platforms**.
- Focused on safeguarding **intellectual property rights (IPR)** through innovative **AI** and **cybersecurity solutions**; recognized as a **Top 7 Finalist** at the **WAVES, 2025**.

Achievements

- **Semi-finalist** at **Smart India Hackathon, 2023**.
- Recognized as a **Top 7 Finalist** in the **Anti-Piracy Challenge** at the **World Audio Visual and Entertainment Summit, 2025**, organized by the **Confederation of Indian Industry** in collaboration with the **Ministry of Information and Broadcasting**.
- **Finalist** in the **HealthHackathon, 2025**, organized by **VIT Bhopal University** in collaboration with **Johns Hopkin University, USA**.

Certifications

- Introduction to Python [**Vityarthi** May, 2023], IBM Cyber Security Analyst [**Coursera** March, 2025], MERN Developer [**Ethnus** February, 2025], Postman Challenge [**Postman** September, 2024].