

# SUBHAM AGARWAL

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## Education

### VIT Bhopal University

2022 – 2026

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

**CGPA: 9.22**

### 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 and Certifications

**Programming:** Java, Python, JavaScript, SQL.

**Web & Tools:** HTML5, CSS3, MERN stack (MongoDB, Express.js, React.js, Node.js), Bootstrap, Git, Docker, Postman, AWS

**Data & AI:** MySQL, Excel, Data Analytics, Machine Learning, GenAI, LLMs, Computer Vision, AI Frameworks

**Cybersecurity:** Wireshark, NMap, OpenVAS, TCPdump, Encryption, Firewall Protocols

**Certifications:** IBM Cyber Security Analyst (IBM, 2025),MERN Developer (Ethnus, 2025),Postman Challenge (Postman, 2024)

## Work Experience

### Red Users

January 2024 – March 2024

*Cyber Security Intern*

- Performed vulnerability assessments using Wireshark, OpenVAS, and TCPdump.
- Implemented encryption, firewall rules, and secure access protocols to enhance network security.
- Developed an IDS system for packet protection and real-time network traffic monitoring.

### QareerWale

September 2024 – February 2025

*Remote Data Analyst Intern*

- Assisted in data mining and preprocessing by cleaning and transforming raw data from multiple sources, improving dataset reliability and reducing errors by 15%.
- Contributed to predictive modeling workflows by performing statistical analysis and validating machine learning models, helping improve model accuracy by 10%.
- Designed and delivered over 10 interactive Power BI dashboards and Python visualizations, enabling stakeholders to make data-driven decisions faster.

## Projects

### KinderConnect-AI as Psychiatrist

February 2025

- Developed a child-friendly full-stack mental health platform using Next.js and React, improving user engagement by 40% and reducing page load time by 30%.
- Streamlined appointment booking with a dynamic workflow, reducing booking time by 60% and increasing completion rate by 25%.
- Implemented a specialized filtering system for psychiatrist profiles, cutting average search time by 45% for enhanced user experience.

### 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 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 (**WAVES**), 2025, organized by the Confederation of Indian Industry in collaboration with the Ministry of Information and Broadcasting.
- **Finalist** at HealthHackathon 2025, organized by VIT Bhopal University and Johns Hopkins University, USA