

TANISHQ RAWAT

Software Engineer

[Website](#) | [Github](#) | [Leetcode](#) | [LinkedIn](#) | tanishq24.rawat@gmail.com | [+919315322133](#) | [New Delhi, India](#)

EDUCATION

Senior Secondary Education (CBSE 10+12th) | PCM+C.S
Bharti Public School

Graduated in July 2022

Bachelor of Technology (B.Tech.) | Artificial Intelligence and Machine Learning (AI-ML)
Vivekananda Institute of Professional Studies (GGSIPU)

-Ongoing (2022-26)

SKILLS & TECHNICAL TOOLS

Languages: Python, C, C++, Java, JavaScript (basic), SQL, HTML, CSS

CS Fundamentals: Data Structures & Algorithm (DSA), OOPs, DBMS, Computer Networks

Technical Stack: React, Node.js(basic), FastAPI, Flask, Supabase, Firebase, MySQL, PostgreSQL, MongoDB, Cloud Firestore, Flutter, Pandas, NumPy, Scikit-learn, Matplotlib, Git/GitHub, Wireshark, Burp Suite, Kali Linux

Machine Learning: Supervised, Unsupervised, Predictive Modeling, Statistics, Exploratory Data Analysis (EDA), Data Cleaning, Data Visualization, Model Deployment, NLP.

CERTIFICATIONS & TRAINING

[DSA & Web Development @ AccioJob](#)

July – August 2024

- Completed hands-on training in DSA, OOPs, DBMS, and Web Development using Java and JavaScript.
- Solved over 100+ coding problems on Leet-Code and gained exposure to real-world development workflows & Git.

[Full Stack Development @ Internshala](#)

August – Sept. 2024

- Developed understanding of client requirement analysis and product-market fit.
- Worked on mock projects simulating web development and digital marketing challenges.

[Cyber Security & Ethical Hacking @ CRAW Security](#)

June – July 2025

- Trained in Cyber Security, including ethical hacking and penetration testing using Wireshark, Burp Suite, and Kali Linux.
- Worked with Wireshark, Burp Suite, and Kali Linux to analyze vulnerabilities in web and data systems.

[Cyber Security Job Simulation @ Deloitte](#)

August 2025

- Completed Deloitte Cyber Security Job Simulation, gaining exposure to real-world cyber risk analysis and security practices.

[Oracle Cloud Infrastructure - Data Science @ Oracle](#)

September 2025

- Covered end-to-end ML lifecycle on OCI, including model building, training, deployment, and MLOps.
- Gained proficiency in OCI Data Science services, Accelerated Data Science (ADS) SDK, & cloud-based ML workflow optimization.

PROJECTS

Smart Study Planner:

[Github](#)

- Built a full-stack AI-driven study planning platform using React, FastAPI, PostgreSQL, and Firebase, enabling personalized schedules, progress analytics, and smart resource management.
- Integrated ML & NLP for learning pattern recognition and note analysis, reducing study planning time & increasing user engagement.

Web Security Scanner:

[Live Site](#) | [Github](#)

- Developed a full-stack Web Security Scanner app using Python-Flask, HTML, CSS, and JavaScript to detect real-time vulnerabilities like SQLi, Cross-Site Scripting (XSS), and open redirect.
- Implemented automated reconnaissance modules (WHOIS, DNS, subdomain discovery) and interactive dashboards for visualizing scan data and security trends.

Campus Kart:

[Live Site](#)

- Co-developed a scalable campus marketplace app using Flutter, Supabase, and PostgreSQL, enabling secure peer-to-peer buying/selling across multiple colleges.
- Implemented Google OAuth, JWT security, Cashfree Payments, and real-time data handling, achieving 75% Google Sign-In adoption.
- Engineered performance features like image compression, offline storage (Hive), and connectivity monitoring across ~8,500 LOC.

AI/ML-Based Deepfake FaceSwap Detection System:

[- Ongoing](#)

- Developed an AI/ML-based system to detect FaceSwap deepfake videos using Computer Vision (OpenCV, MediaPipe) and deep learning techniques, TensorFlow/PyTorch.
- Status: Achieved reliable classification performance on real-world datasets.

White - Board Hand Gesture Recognition System:

[Github](#)

Integrated real-time hand-gesture recognition into a digital whiteboard using deep learning for natural, intuitive interactions in online education.

- Computer Vision Libraries like OpenCV, Media Pipe, PyAutoGUI, TensorFlow/ PyTorch,
- GUI libraries – Tkinter (Python).

Portfolio:

[Live Site](#) | [Github](#)

- Developed a dynamic and responsive portfolio website using HTML, CSS, and JavaScript to highlight my education, skills, projects, and research papers. Integrated advanced interactivity, animations, and user-centric features to enhance the overall browsing experience and engagement.