

EDUCATION

Year	Degree	Institute	Score
2022-2026	B.Tech (Electrical Engineering)	Delhi Technological University, New Delhi	8.16 GPA
2021	Class XII (CBSE)	Hansraj Smarak Sr. Sec. School, Delhi	93.0%
2019	Class X (CBSE)	Hansraj Smarak Sr. Sec. School, Delhi	89.0%

TECHNICAL SKILLS

Languages	C, C++, Python, JavaScript, MATLAB, SQL, Bash
Frameworks	React, Next.js, React-Native, Flask, Bootstrap, OpenCV
Tools	Git, Arduino IDE, Docker, Firebase, Android Studio, Wireshark, Burpsuit
Concepts	Data Structures, Computer Vision, REST APIs, Machine Learning, Cybersecurity

PROJECTS

College Help Android App — React-Native, Expo, Firebase

- Built a cross-platform student productivity app with To-Do List, Timetable, Local File Drive, Group Chat, used by over 100+ college students.
- Implemented in-app class reminders, task tracking, and chat with peers. Integrated a webhook-based event alert-based system.

GenAI Text Summarization — Python, Flask, Transformers

- Developed a text summarization platform using Facebook/bart-large-cnn, generating context-aware summaries for articles, youtube videos, and PDFs.
- Concise summaries generated, improving information accessibility and reducing reading time by up to 50%.

Blogging Platform — HTML, CSS, JavaScript, Firebase

- Created a responsive blogging site with rich text editor, user authentication, and real-time post management.
- Achieved 95% Lighthouse performance and SEO score with efficient frontend optimization for smooth UX.

Face Recognition Attendance — Python, OpenCV

- Built a classroom attendance tool using OpenCV that captures live face data and logs attendance with 92% accuracy.
- Integrated SQLite for secure data storage and automated Excel report generation for admin-friendly access.

OPEN SOURCE CONTRIBUTIONS

- IEEE DTU Website:** Contributed to UI improvements and bug fixes and better load performance for a smoother user experience.
- DB Drawer:** Worked on improving code cleanliness and optimizing schema visualization features for better user interaction.
- VedAstro:** Rebuilt the UI from a multipage C# layout to a modern JavaScript single page application for faster execution.

POSITIONS OF RESPONSIBILITY

Team Developer — EVRT, DTU (2023-Present)

- Designed and developed a fully functional electric car dashboard interface using Python and PyQt5.
- Integrated GUI components with vehicle systems to enable interaction and monitoring of battery, speed, and lights.

Web Executive — IEEE DTU (2022-2023)

- Maintained the official IEEE DTU website by resolving bugs, performing routine updates, and improving user experience.
- Contributed to front-end enhancements and optimization for better load performance and accessibility.

CERTIFICATIONS

- Hack-AI-Thon Finalist:** Selected among the Top 10 teams nationally; awarded Certificate of Excellence for developing a GenAI-based summarization tool.
- CodeChef Contest Rank #7:** IIT Madras Programming Contest - Ranked in the top 10 of a 700 participant pool.
- IIT Madras Programming and Data Science:** Completed foundational program covering Python, statistics, and data science concepts.
- NPTEL Certification:** Machine Learning & Deep Learning: Fundamentals and Applications by IIT Kharagpur.
- ICSI Certified Network Security Specialist (CNSS):** Earned recognition in cybersecurity and network defense fundamentals.

EXTRACURRICULAR ACTIVITIES

- Solved more than 350+ DSA problems on platforms like LeetCode, CodeChef, and Codeforces.
- Contributor to Bug Bounty programs via HackerOne , with experience in ethical hacking and vulnerability discovery.
- Participated in 10+ Capture the Flag (CTF) challenges on different platforms.