




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, Express, React-Native, Flask, Socket.io, Tailwind, OpenCV
Tools	Git, Arduino IDE, Docker, Firebase, Android Studio, Wireshark, PostgreSQL
Concepts	Data Structures, Computer Vision, REST APIs, Machine Learning, Cybersecurity


## PROJECTS

**KnightFight – Real-Time Chess Platform** — Next.js, React.js, Express, PostgreSQL, Socket.io  Code  Live



- Developed a modern, full-stack chess platform enabling real-time multiplayer gameplay with support for guest users, authentication, and player profiles. Implemented live matches, spectator mode, AI opponents with difficulty levels, and in-game chat using WebSockets (Socket.IO).
- Key features include match history, move tracking (PGN/FEN), game exports, and a fully functional admin dashboard for user and game moderation. The frontend was built with Next.js 15 and Tailwind CSS, while the backend leveraged Express and PostgreSQL with secure JWT-based authentication.

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

- 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  Code

- 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  Code  Live

- 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.

## 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

- NPTEL Certification:** Machine Learning & Deep Learning: Fundamentals and Applications by IIT Kharagpur.
- IIT Madras Programming and Data Science:** Completed foundational program covering Python, statistics, and data science concepts.
- ICSI Certified Network Security Specialist (CNSS):** Earned recognition in cybersecurity and network defense fundamentals.

## ACHIEVEMENTS

- 2nd Place – BitGuard 2.0 (CTF by Mercer Mettl):** Secured top rank in capture the flag cybersecurity hackathon.
- Hack-AI-Thon Finalist:** Selected among Top 10 teams nationally; received Certificate of Excellence for building a GenAI summarization tool.
- CodeChef Contest Rank #7:** Ranked in the top 10 among 700+ participants in IIT Madras Programming Contest.
- Solved over 350+ DSA problems on platforms like LeetCode, Codeforces, and CodeChef.