

Technologies and Languages

- **Languages & Concepts:** Javascript (Es6+) , Python, Data Structures & Algorithms, Machine Learning.
- **Frontend Technologies:** Reactjs, NextJS, Webpack, Bootstrap, SEO.
- **Backend Technologies:** SQL, MongoDB, NodeJS, ExpressJS.

Leaderships & Internship

Event Organizer – Cultural Club, VIT Chennai

Magadh Mithila Club

July 2024 – Jan 2025

- Handled logistics, scheduling, and volunteer coordination to ensure smooth execution.
- Worked with club heads to create an inclusive and engaging experience for all participants.

Resource Person – Resource X, VIT Chennai

Tech team (Web Dev)

Aug 2023 – Dec 2023

- Led a team of 5 members in conducting workshops and training sessions on **Front-End of Our Site**.
- Provided mentorship and guided team through preparation and delivery of sessions.
- Contributed to curriculum design and participant engagement strategy.

Education

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|---|-----------------|-----------------------|
| • B.Tech Computer Science , Vellore Institute of Technology, Chennai, Tamil Nadu | 8.6 CGPA | 2023 – Present |
| • 12th Standard CBSE , D.A.V Public School-Khagaul, Patna, Bihar | 83.4 % | 2022 |
| • 10Th Standard CBSE , D.A.V Public School-Khagaul, Patna, Bihar | 94.5 % | 2020 |

Projects

- **GeoAttend (Mobile App)** – Built a geolocation-based attendance app using **React Native**, **Firebase**, and **Google Maps API**. Enabled location-verified attendance marking through geofencing.
Marked attendance automatically within set location boundaries, reducing manual errors by over 90%.
- **Breast Cell Classifier (ML Model)** – Designed a CNN using **Python** and **TensorFlow** to detect and classify breast cancer cells from histopathological images.
Achieved over 90% accuracy through advanced preprocessing and dropout regularization.
- **Voice to Sign Language Converter (ML App)** – Developed a system using **Python**, **OpenCV**, and **Google Speech API** to convert spoken words into Indian Sign Language with animated visuals.
Improved accessibility for the hearing-impaired with real-time voice-to-gesture conversion.
- **CourseHunt (Full Stack App)** – Engineered an online course platform website using **React**, **Node.js**, and **MongoDB** allowing users to create, enroll in, and manage online courses.
Built secure user authentication and interactive dashboards for both instructors and students.

Certifications

- **Machine learning certification** by Andrew NG on Coursera
- **Web Development Course** by Angela Yu

Interests

- **Hiking & Travelling** – Passionate about exploring new places, nature trails, and cultural experiences.
- **Problem Solving** – Solved **150+ Data Structures & Algorithms problems** on [CodeChef](#), with a strong focus on logic building and competitive programming.