

Akshay A

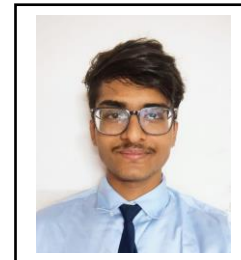
B.Tech – Electronics and Communication Engineering

Gender: Male

Date of Birth: 10/01/2004

E-mail : tp@nitt.edu

Contact : +91-431-2501081



Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2022-Present	B.Tech- ECE	NIT, Trichy	8.95
2022	Class XII	Chinmaya Vidyalaya, Anna Nagar, Chennai, CBSE	96.4%
2020	Class X	Narayana E-Techno School, Arumbakkam, Chennai, CBSE	90%

Academic Achievements

- **Winner** of TRI-NIT Hackathon 24' held at National Level with 4000+ teams, 20000+ participants.
- Received a **Certificate of Merit** from CBSE for being among the top 0.1% of the students scoring **100%** in **Computer Science** AISSE (class 12).

Internship / Freelancing

- **OSPBL – Client and Goods Management Software** Dec 2023 – Jan 2024
 - Developed industry-level **client management** software for an **international** corrugated fibreboard carton and paper producing company.
 - Ideated **user flow** and designed the complete **UI**.
 - Did full stack development using the **MERN** stack (MongoDB, Express.js, React, Node.js).
 - Ensured **compatibility** with **company devices** and implemented robust **security** measures.

Technologies used: Node/Express, MongoDB/Mongoose, React, Typescript

Projects

- **ATTACK ON ROBOTS - PvP Resource Management Game** Nov 2023 – Feb 2024
 - Led ideation, design, and development phases using React, Phaser, Rust, Redis, and PostgreSQL.
 - Developed frontend functionalities that supported **400+** users and facilitated over **4000** battles.
 - Implemented a Rust-based **Validator** in backend to ensure **game integrity** which **simulates** the running game in the **backend** for **tick validation** and prevent **frontend tampering**.
 - Utilized sockets for **real-time data** exchange and **backend simulation** to **validate** gameplay mechanics.
 - **Designed** and implemented the complete **UI** for optimal user engagement.

Technologies used: React, Typescript, Rust, Redis, PostgreSQL

- **VOTING DAPP - Decentralized Voting system with Anonymity** Jan 2024
 - Led a team of 4 for **Pragyan Hackathon 24'** and spearheaded a **Web3** project focused on developing a voting application **with applied cryptography** for **anonymity**.
 - Utilized the **CosVM** platform and integrated it with React.
 - Created a **real-time voting experience** to enhance **transparency**, ensuring voter anonymity for security purposes.

Technologies used: Solidity, MetaMask, Hardhat, CosVM, React, Javascript

- **DWOC - Open-Source Platform for Contributions** Nov 2023 - Jan 2024
 - Specialized in backend development with a focus on implementing **Google Auth flow** and managing **full-stack issues** effectively.
 - Utilized **GitHub API** to fetch repository data and created a **scoring system** to efficiently rank contributors.
 - Actively promoted **open-source** culture, resulting in over **320** registrations.

Technologies used: Github API, Node/Express, MongoDB/Mongoose, React, Typescript

Technical Skills and Certifications

- Programming Languages : C++, C, Javascript, Solidity, Typescript, Rust
- Web Development tools & Technologies : NodeJS, Express, MongoDB, Mongoose, React, PostgreSQL, MySQL, HTML5 Canvas, WebRTC, Socket.io, Mantine UI, TailwindCSS, Pug, Astro, HardHat, Git, Github.
- Engineering Software : Emu8086, LTSpice
- Other Software : Visual Studio, Postman, Figma, Adobe Illustrator

Positions of Responsibility

- **Software Developer, Delta Force:** Aug 20 - Present
Software Developer for NIT Trichy's **coding club and web team**, developing web and app projects for college activities, festivals and admin. **Designed and Developed** production ready websites and applications accessed by 10,000s of unique visitors every year.
- **WebOperations Manager - Probe , Aaveg and Festember:** Jan 23 -Present
Working in team for Aaveg NITT as to develop websites for **1,000+** freshers and Working in a team for Probe and Festember for doing Full stack development for a **20000+** reach nation-wide.
- **UI/UX Designer, Graphique:** Sept 23 - Mar 24
Part of UI UX team and delivered user friendly and stunning looking designs for college fests and self-projects. Led a team for a **Workshop on UI/UX** fundamentals with Figma.
- **Manager, Media Relations Team, Festember:** Feb 23 -Present
Working as the Manager of the Media Relations Team of Festember. The work involves **contacting renowned media companies** to collaborate with Festember to increase its reach and **mentoring juniors** to prepare them for the next edition.

Extracurricular Activities

- Successfully Completed **7 grades** of Piano in **Trinity College of London**.
- **Finalist** in Pragyan Hackathon 24' and Transfinitte 23'.
- **1st** place in Artalisa 23', a design competition held by Aaveg NITT.
- **3rd** place in INHOTTS Design Thinking Hackathon 23' held by Graphique NITT.