



EDUCATION AND SCHOLASTIC ACHIEVEMENTS

Program	Institution	%/CGPA	Year of Completion
Dual Degree in Engineering Design	Indian Institute of Technology, Madras	8.18	2025
Class XII (CBSE)	SFS Public School, Kottayam	95.8	2020
Class X (CBSE)	Bharatiya Vidya Bhavan, Calicut	92.2	2018
<ul style="list-style-type: none"> JEE Advanced AIR 3278 (2.5 lakh candidates) JEE Mains AIR 4104 (11 lakh candidates) KEAM¹ AIR 105 (1 lakh candidates) 			

SKILLS

Proficient: Typescript, JavaScript, Python, HTML, CSS, React, Next JS, React Native, Node, Express, tRPC, MongoDB, Puppeteer, Cheerio, Git, GitHub, Figma, Material UI, Tailwind CSS | **Intermediate:** Java, AWS, Nest JS, Firebase, Electron, Redis, Mocha, Chai, C, C++, Spring Boot

PROFESSIONAL EXPERIENCE

- Upcoming Quantitative intern at **NatWest** for Summer '24

Commenda Full-stack dev Intern (May '23 – July '23)	<ul style="list-style-type: none"> Built company blog, glossary using Next JS, Nest JS, Notion API as CMS, resulting in 120% increase in site engagement. Deployed scheduler for automated metric loggings to Google Sheets and Email, reducing manual intervention by 80%. Devised a puppeteer script leveraging Google Vision AI for captcha resolution and scrape data from external website. Achieved 88% reduction in initial request time, later deployed on AWS using EC2, ELB. Also received a bounty, LOR.
Viak Frontend dev Intern (Dec '22 – May '23)	<ul style="list-style-type: none"> Published a widget for businesses to easily embed tokens, resulting in 40% increase in product engagement. Built a project settings page for efficient token collections and sales resulting in 50% decrease in support requests. Boosted site performance by 43% through lazy loading, asset optimizations, refactored legacy code and improved UX.
CoursePanel Start-up Cofounder (July '22 – May '23)	<ul style="list-style-type: none"> Built a university portal, chatbot to aid 3300+ students to make better academic decisions in selecting courses Developed an Academic Operations Platform for faculty to improve program planning and content relevance. Consulted a professional academy on curriculum designing and syllabus for learning software development.
Blocktrack Mobile dev Intern (Sept '22 – Nov '22)	<ul style="list-style-type: none"> Contributed to the development of hybrid mobile app from scratch, creating variety of UI components and design. Worked on the authentication flow, establishing OTP login. Used React Native, Typescript, and Firebase.
Accelerate Backend dev Intern (Jan '22 – May '22)	<ul style="list-style-type: none"> Built the back-end of ordering and starter app for a notable restaurant chain catering to 50,000+ daily customers. Migrated the POS software from monolithic to microservices based architecture following MVCS pattern. Implemented JWT auth, documented the APIs using swagger. Used Express JS, Electron JS, CouchDB, Java, Spring Boot.

PROJECTS

FMHY	<ul style="list-style-type: none"> Developed a full-stack website for a popular Reddit community attracting more than 20K+ daily active users. Built a comprehensive wiki page, search, discord bot using RESTful APIs, React, Typescript, Express, Cheerio, Prisma. Periodically scraped, sanitized, and stored data from their GitHub page, enhancing overall data reliability, accessibility
JMT Shaastra	<ul style="list-style-type: none"> Collaborated with Shaastra² IITM to build a website for Junior Make-A-Thon event, enabling the seamless registration of over 3000 students from all over the country, using Next JS, with Google Sheets serving as the database.
Ping	<ul style="list-style-type: none"> Built an emergency-alert mobile app, dashboard for on-campus students utilizing Expo, Next JS, Express JS, MongoDB. Constructed an Admin Dashboard with real-time location tracking and proximity-based camera feeds triggered by user.
EverHealth	<ul style="list-style-type: none"> Developed a mobile app encouraging users to complete daily tasks using gamification techniques, using Expo, Firebase. Integrated a personalized GPT-4 powered doctor assistant, leaderboard, RSS feeds, dynamic streak, and level system.
Portfolio	<ul style="list-style-type: none"> Built portfolio with static blog using MDX with static site generation for improved performance and SEO.

POSITIONS OF RESPONSIBILITY

Tensors⁴ WebOps Head ('22–'23)	<ul style="list-style-type: none"> Coordinated and led projects undertaken by Tensors⁴ to fund its social campaign project driving 25% increase in revenue. Built web and mobile grievance portals for MP³ serving Idukki Constituency benefiting 12 Lakh+ citizens with their needs.
Saarang⁵ DevOps Coord ('20 –'21)	<ul style="list-style-type: none"> Built the Saarang '21 leaderboard app, updating points real-time using PostgreSQL, Express, React. Updated and modified Saarang website portal used by over 1,80,000 students from 500+ colleges all around India.

EXTRA-CURRICULAR AND CO-CURRICULAR ACTIVITIES

Buildschool ⁶ '22		<ul style="list-style-type: none"> Built Mentora, an academic portal for students to ask doubts, upload notes, course details scraped from IITM website. Attained 3rd place among a cohort of 10 teams, following selection from a competitive pool of 100+ students. Used technologies like Next JS, MongoDB, Redis, Azure Blob Storage, Google Sheets API, Puppeteer, Cheerio.
Hackathons	Comportal	<ul style="list-style-type: none"> Built Comportal, a complaint portal app, winning 3rd among 80+ students in a 24-hour hackathon by IITM Techsoc Club
	Uxie	<ul style="list-style-type: none"> Built Uxie, a pdf reader with note taking, annotations, multi-people collaboration support and LLM integration. Placed 2nd among 100+ students in a 24-hour hackathon by IITM Techsoc Club, using NextJS, PostgreSQL, LLaMA LLM.
	ML	<ul style="list-style-type: none"> Placed 2nd in a 12-hour ML-Hackathon conducted by SRM University, attended by over 100 participants. Achieved an outstanding accuracy of 97.24%, involving data cleaning, training using the RandomForestClassifier model.

- Tech enthusiast, follows tech blogs/subreddits.
- Chess FIDE rating 1348, District Champion.
- Hostel Basketball Athlete

1-Kerala Engineering and Medical Entrance Examination, 2-IITM's annual technical festival, 3-Member of Parliament

4-NGO run by the students of IITM, 5-IITM's annual cultural festival, 6-Competition by IITM Techsoc club