



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

• 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 <i>Full-stack dev Intern (May '23 – July '23)</i>	<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 <i>Frontend dev Intern (Dec '22 – May '23)</i>	<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 <i>Start-up Cofounder (July '22 – May '23)</i>	<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 <i>Mobile dev Intern (Sept '22 – Nov '22)</i>	<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 <i>Backend dev Intern (Jan '22 – May '22)</i>	<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 <i>WebOps Head ('22-'23)</i>	<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 <i>DevOps Coord ('20-'21)</i>	<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