

Vishnu Vinod

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EDUCATION AND SCHOLASTIC ACHIEVEMENTS

Program	Institution	%/CGPA	Year of Completion
Dual Degree in Engineering Design	Indian Institute of Technology, Madras	8.35	2025
Class XII (CBSE)	SFS Public School, Kottayam	95.8	2020
Class X (CBSE)	Bharatiya Vidya Bhavan, Kozhikode	92.2	2018

- JEE Advanced (2020) AIR **3278** among 1.5 lakh candidates
- JEE Mains (2020) AIR **4104** among 11 lakh candidates
- KEAM¹(2020) AIR **105** among 1 lakh candidates
- Qualified RMO 2019

SKILLS

Proficient: Typescript, JavaScript, Python, HTML, CSS, React, Next JS, React Native, Node, Express, MongoDB, Puppeteer, Cheerio, Git, GitHub, Tailwind, Material UI, Figma, Adobe XD | **Intermediate:** Java, Azure, SEO, SQL, C, C++, Firebase, Electron, Redis, Docker, Markdown, MDX

WORK EXPERIENCE (* - internship)

CoursePanel Startup (July '22– May '23)	<ul style="list-style-type: none"> Developed a university-wide portal helping 3300+ students make informed decisions while selecting courses. Developed a Learning Management System for universities to improve program planning and content relevance Built an ontology of 1 lac+ nodes and used Graph ML for an academy's learners to get employable skills Consulted a professional academy on curriculum designing and syllabus for learning software development
Accelerate * (Jan '22 – May '22)	<ul style="list-style-type: none"> Built the back-end of ordering and starter app for a popular restaurant chain using Express, Electron JS, CouchDB. Migrated the POS software from monolithic to microservices based architecture using MVCS architecture. Implemented JWT authentication, documented the APIs using swagger, wrote clean code following DRY principle.
Viak * (Dec '22 – May '23)	<ul style="list-style-type: none"> Optimised & improved the code by rewriting existing class based components to functional components. Built various UI elements, an embeddable NFT widget showing users tokens. All following agile methodology. Identified and solved critical bugs in the existing software architecture, improving user experience.
Commenda * (May '23 – Present)	<ul style="list-style-type: none"> Built company blog and glossary from scratch with SEO, static site generation using Next JS, Notion API as CMS. Worked closely with the design and product team following agile methodology, fixed crucial bugs.

PROJECTS & EXPERIENCE

FMHY	<ul style="list-style-type: none"> Developed a full-stack website for a popular Reddit community with over 150,000 members, attracting more than 23,000 total requests per day, with type-safe MVCS Architecture for the backend using typescript, Nextjs, Express. Developed a CRON Job utilizing Cheerio and Prisma to scrape, sanitize and store data from their GitHub page. Also implemented search functionality and a Discord bot to facilitate efficient data querying.
Mentora	<ul style="list-style-type: none"> Built an All-in-one Academics app for students of the campus, where they could ask doubts, upload notes, get help from peers, and a detailed course page scraped from institutes' respective department websites. Built using Next JS, MongoDB, Azure Blob Storage, Next-Auth, Google Sheets API, Puppeteer, Cheerio.
EverHealth	<ul style="list-style-type: none"> Developed a mobile app that motivates patients to adhere to treatment plans and manage chronic conditions through the use of gamification techniques. Built using Expo, React Native, Firebase, GPT-4. Added a streak & level system to encourage users to complete daily tasks related to personal growth, medication. Added GPT-4 powered doctor assistant, leaderboard, dark mode, RSS feeds providing engaging user experience.
Ping	<ul style="list-style-type: none"> Developed an emergency-alert mobile app using React Native as part of a contest by the director. Built the Admin Dashboard using server sent events, showing accurate location of the user on a map, also showing all the nearest cameras with live camera-feed recording, using Next JS, Express JS, MongoDB, Azure.
JMT Shaastra	<ul style="list-style-type: none"> Built a website for Junior Make-A-Thon event, part of Shaastra IITM from scratch, using Next JS, Google Sheets API for the database, enabling the smooth registration of over 3000 students from all over the country.
Grievance Portal	<ul style="list-style-type: none"> Built grievance portals for Web and mobile for an MP² serving Idukki Constituency benefiting 12 Lakhs + citizens with their needs, using React, React native, Firebase, Express JS, PostgreSQL as part of TenSci³. Conceptualized a wireframe, led the dev team, monitored their work and later grew the team size to 6 members.
Comportal	<ul style="list-style-type: none"> Placed 3rd among 80 participants in a 24 hour hackathon organised by the IIT Madras Techsoc club. Built a complaint portal app with Server-side Rendering using Next JS, MongoDB, Next-Auth.
Portfolio	<ul style="list-style-type: none"> Built portfolio Implementing parallax scrolling, and other design techniques using Next JS, Framer motion. Developed a static blog using MDX with static site generation for improved performance and SEO.

POSITIONS OF RESPONSIBILITY

TenSci ³ WebOps Head '22 – '23	<ul style="list-style-type: none"> Coordinated and led projects undertaken by TenSci³ to fund its social campaign project. Recruited, trained a team of 9 junior coordinators responsible for assisting NGOs with technical solutions. Built the Tensors Website from scratch to bring in revenue for the social campaigns through Webdev projects.
Saarang DevOps Coordinator '20 – '21	<ul style="list-style-type: none"> Built the Sangam '21 leaderboard app, updating points real-time using PostgreSQL, Express, React. Updated and modified Saarang website portal used by over 180,000 students from 500 colleges all around India.

EXTRA-CURRICULAR AND CO-CURRICULAR ACTIVITIES

- Tech enthusiast, follows tech blogs/subreddits.
- Chess FIDE rating 1348, district Champion.
- School Basketball player