

# 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	8.65	2025
Class XII (CBSE)	SFS Public School, Kottayam	95.8	2020
Class X (CBSE)	Bharatiya Vidya Bhavan, Kozhikode	92.2	2018
<ul style="list-style-type: none"><li>JEE Advanced (2020) AIR <b>3278</b> among 1.5 lakh candidates</li><li>KEAM<sup>1</sup>(2020) AIR <b>105</b> among 1 lakh candidates</li><li>JEE Mains (2020) AIR <b>4104</b> among 11 lakh candidates</li><li>Qualified RMO 2019</li></ul>			

## SKILLS

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

## WORK EXPERIENCE

<i>Interned at</i> <a href="#">Accelerate</a> 2022 (January '22 – May '22)	<ul style="list-style-type: none"><li>Built the back-end of the ordering and starter app for the restaurants using Express, Electron JS, CouchDB.</li><li>Migrated the restaurant POS software from <b>Monolithic to Microservices based Architecture</b>.</li><li>Implemented <b>JWT authentication, database indexing</b>, designed the billing module, created various endpoints using <b>MVCS</b> architecture, <b>modularised</b> the existing code, documented the APIs using <b>swagger</b>.</li></ul>
<i>Interned at</i> <a href="#">Viak</a> 2022 (December '22 – Present)	<ul style="list-style-type: none"><li>Built various UI elements, an <b>embeddable NFT widget</b> showing users tokens, <b>optimised the API endpoints</b>.</li><li>Modularised and cleaned up existing codebase, following <b>agile development</b> methodology.</li><li>Identified and <b>solved critical bugs</b> in the existing software architecture <b>improving user experience</b>.</li></ul>

## PROJECTS & EXPERIENCE

<a href="#">CoursePanel</a>	<ul style="list-style-type: none"><li>Part of the <b>early team</b>, incubated by Nirmaan, <b>Won 2<sup>nd</sup> for Best Startup</b> in Startup Series 5.0 by E-cell.</li><li>Build the <a href="#">website</a> from scratch using Next JS, worked closely with product team following <b>agile methodology</b>.</li><li>Developed a university-wide portal helping <b>3300+</b> students make informed decisions while selecting courses</li><li>Developed a <b>Learning Management System</b> for universities to improve program planning and content relevance</li><li>Building an ontology for <b>400,000+</b> learners to get employable skills from the Indian national MOOC platform</li></ul>
Ping!	<ul style="list-style-type: none"><li>Developed an emergency-alert mobile app using React Native as part of a contest by the director.</li><li>Built an Admin Dashboard with <b>server sent events</b> and tracking with maps using Next JS.</li><li>Hence allowing for efficient monitoring by security and ensure timely alerts for potential emergencies.</li></ul>
<a href="#">Grievance Portal</a>	<ul style="list-style-type: none"><li>Built grievance portals for Web and mobile for an <b>MP<sup>6</sup></b> serving Idukki Constituency <b>Benefiting 12 Lakhs+</b> citizens with their needs using React, React native, Firebase, Express JS, PostgreSQL as part of TenSci<sup>7</sup>.</li><li>Conceptualized a <b>wireframe</b>, led the product development team, and later grew the team size to <b>6 members</b>.</li><li>Assigned coding tasks to various team members, regularly held meetings and monitored work</li></ul>
<a href="#">Mentora</a>	<ul style="list-style-type: none"><li>Built an <b>All-in-one Academics app</b> for students of the campus, where they could ask doubts, upload notes, apply for a study-buddy (or tutor), and a detailed course page <b>scraped</b> from institute department websites.</li><li>Built using Next JS, MongoDB, Azure Blob Storage, Next-Auth, Google Sheets API, Puppeteer.</li></ul>
<a href="#">Comportal</a>	<ul style="list-style-type: none"><li>Placed <b>3<sup>rd</sup></b> in a 24 hour hackathon organised by the Techsoc club <b>out of 80 participants</b>.</li><li>Built a complaint portal app which could potentially replace the current institute complaint portal using Next JS, <b>Server-Side Rendering</b>, MongoDB, Next-Auth.</li></ul>
<a href="#">FMHY Website</a>	<ul style="list-style-type: none"><li>Developed a full-stack website for a popular reddit community with MERN stack, Reddit API.</li><li>Built a service which periodically scrapes and cleans the data from their GitHub page, using a <b>CRON Job</b> built using Cheerio, Prisma ORM, Typescript, Node, MySQL.</li></ul>
<a href="#">JMT Shaastra</a>	<ul style="list-style-type: none"><li>Developed a website for Junior Make-A-Thon event, part of Shaastra IITM from scratch.</li><li>Built the registration form with Google Sheets serving as the database, using Next JS, Google Sheets API.</li></ul>
<a href="#">Portfolio</a>	<ul style="list-style-type: none"><li>Built a portfolio app using Next JS, React, Framer motion.</li><li>Implemented <b>Parallax scrolling</b>, Opacity change on scroll, smooth scroll and other design techniques.</li></ul>

## POSITIONS OF RESPONSIBILITY

<b>Tensors WebOps Head</b> '22 - present	<ul style="list-style-type: none"><li>Coordinated and led projects undertaken by TenSci<sup>4</sup> to fund its social campaign project.</li><li>Recruited and trained a team of 9 junior coordinators responsible for assisting NGOs with technical solutions, guiding and mentoring them throughout.</li></ul>
<b>Tensors WebOps Coordinator</b> '20 – '22	<ul style="list-style-type: none"><li>Built the UI for Tensors dashboard app to keep track of budgets and projects.</li><li>Built the <a href="#">Tensors Website</a> from scratch using React, for organising the various activities of the team.</li></ul>
<b>Saarang WebOps Coordinator</b> '20 – '21	<ul style="list-style-type: none"><li>Built the Sangam '21 website using PostgreSQL, Express, React, GraphQL.</li><li>Maintained the <a href="#">Saarang</a> official website, adding changes time to time.</li></ul>

## EXTRA-CURRICULAR AND CO-CURRICULAR ACTIVITIES

<ul style="list-style-type: none"><li>Tech enthusiast, follows tech blogs/subreddits.</li></ul>	<ul style="list-style-type: none"><li>Chess FIDE rating 1348, district Champion.</li></ul>	<ul style="list-style-type: none"><li>School Basketball player</li></ul>
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1-Kerala Engineering and Medical Entrance Examination, 2-Ongoing course, 3-Figure generated using Pull requests from GitHub, 4-Software as a service, 5-Monthly active users, 6-Member of Parliament, 7-TenSci-Tensors Social Campaign Initiative