

Vishnu Vinod

www.vishnuvinod.ml | <https://github.com/zeus-12> | writetovishnuvinod@gmail.com | Kerala, India

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"> JEE Advanced (2020) AIR 3278 among 1.5 lakh candidates KEAM¹(2020) AIR 105 among 1 lakh candidates JEE Mains (2020) AIR 4104 among 11 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, SQL, C, C++, Firebase, Electron, Redis, Docker

WORK EXPERIENCE

CoursePanel Startup	<ul style="list-style-type: none"> Part of the early team, incubated by Nirmaan, Won 2nd for Best Startup in Startup Series 5.0 by E-cell IIT Madras. Built the landing page website from scratch, built mock-ups using Figma, worked closely with Product team. 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 Building an ontology for 400,000+ learners to get employable skills from the Indian national MOOC⁵ platform.
Accelerate Intern (Jan '22 – May '22)	<ul style="list-style-type: none"> Built the back-end of the ordering and starter app for a restaurant chain using Express, Electron JS, CouchDB. Migrated the restaurant POS software from Monolithic to Microservices based Architecture. Implemented JWT authentication, database indexing, designed the billing module, created various endpoints using MVCS architecture, modularised the existing code, and documented the APIs using swagger.
Viak Intern (Dec '22 – March '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.

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. A CRON Job that scrapes and cleans their GitHub Page using Cheerio JS, search and discord bot querying this.
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 each department websites. Built using Next JS, MongoDB, Azure Blob Storage, Next-Auth, Google Sheets API, Puppeteer, Cheerio.
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.
Grievance Portal	<ul style="list-style-type: none"> Built grievance portals for Web and mobile for an MP³ serving Idukki Constituency Benefiting 12 Lakhs+ citizens with their needs, using React, React native, Firebase, Express JS, PostgreSQL as part of TenSci⁴. Conceptualized a wireframe, led the development team, and later grew the team size to 6 members. Assigned coding tasks to various team members, held weekly standups and monitored work.
Media Literacy Campaign Platform	<ul style="list-style-type: none"> Built as part of a PhD thesis project, coordinated with Shastra 2022 and DOMS IIT Madras to literate people about fake news and its impact on individual and society, using Next JS, Google Sheets API, as part of TenSci⁴. Diverse set of users were prompted with news, nudges/triggers and their responses were collected & analyzed.
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.
JMT Shastra	<ul style="list-style-type: none"> Built a website for Junior Make-A-Thon event, part of Shastra IITM from scratch, enabling for the smooth registration of over 3000 students from all over the country, using Google Sheets API for the database.
Portfolio	<ul style="list-style-type: none"> Built portfolio app using Next JS, Framer motion. Implementing parallax scrolling, and other design techniques.

POSITIONS OF RESPONSIBILITY

Tensors WebOps Head '22 - present	<ul style="list-style-type: none"> Coordinated and led projects undertaken by TenSci⁴ to fund its social campaign project. Recruited, trained a team of 9 junior coordinators responsible for assisting NGOs with technical solutions.
Tensors WebOps Coordinator '20 – '22	<ul style="list-style-type: none"> Built the Tensors Website from scratch to bring in revenue for the social campaign through Webdev projects. Built a dashboard app to keep track of budgets and projects among every team in Tensors.
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, GraphQL. 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