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	8.33	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
- KEAM[1](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*	• 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 the 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
Accelerate *Intern* (Jan '22 – May '22)	• 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 – April '23)	• **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	• Developed a full-stack website for a popular reddit community with over **150,000 members**, attracting more than **23,0000 total requests per day**, with **Type-safe MVCS Architecture** for the backend. • A **CRON Job** that **scrapes and cleans** their GitHub Page using Cheerio, with a search & **Discord bot** querying this.
Mentora	• 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	• 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. • Incorporated an AI doctor assistant powered by **GPT-4**, as well as a **leaderboard**, dark mode, and RSS feeds to provide users with a comprehensive and engaging experience.
Ping!	• 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	• Built a website for Junior Make-A-Thon event, part of Shaastra IITM from scratch, enabling the smooth registration of over 3000 students from all over the country, using Next JS, Google Sheets API for the database.
Grievance Portal	• Built grievance portals for Web and mobile for an **MP**[2] serving Idukki Constituency **benefiting 12 Lakhs +** citizens with their needs, using React, React native, Firebase, Express JS, PostgreSQL as part of TenSci[3]. • 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.
Comportal	• 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	• Built portfolio using Next JS, Framer motion. Implementing parallax scrolling, and other design techniques.

POSITIONS OF RESPONSIBILITY

Tensors WebOps Head '22 - present	• Coordinated and led projects undertaken by TenSci[3] 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	• Built the Tensors Website from scratch to bring in revenue for the social campaigns through Webdev projects. • Built a dashboard app to keep track of budgets and projects among every team in Tensors.
Saarang DevOps Coordinator '20 –'21	• 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

1-Kerala Engineering and Medical Entrance Examination, **2**-Member of Parliament, **3**-TenSCI-Tensors Social Campaign Initiative