Vishnu Vinod | ED20B073

Indian Institute of Technology Madras
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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

- 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

RELEVANT COURSEWORK AND SKILLS

Courses	- Mathematical Foundations of Data Science - Machine Learning by Andrew NG[2] - Functional and Conceptual Design - Data Science: Theory & Practice[2] - Creative Design - Series & Matrices
Skills	- JS, Python, C, HTML, CSS, React JS: Proficient - Azure, SQL, TypeScript, C, C++: Intermediate - Tailwind CSS, Mantine UI, Material UI, Puppeteer - Next JS, React Native, Electron JS, Node JS - MongoDB, PostgreSQL, Firebase, Express JS - Cheerio, Git & GitHub, Figma, Adobe XD - UI/UX

WORK EXPERIENCE

Interned at **Accelerate** 2022 (6 month)	- Built the back-end of the ordering and starter app for the restaurants using Express, Electron JS, CouchDB. - Migrated the restaurant POS software from **Monolithic to Microservices based Architecture**. - Implemented JWT **authentication**, **database indexing** to increase the query speed, designed the billing module, created various other endpoints using **MVCS** architecture, and **modularised** the existing code, writing around **20,000**[3] lines of code.

PROJECTS & EXPERIENCE

Grievance Portal	- Built a Web and mobile app grievance portal for an MP[5] serving Idukki Constituency, benefiting 12 Lakhs+ citizens with their needs using React, React native, Firebase, Express JS, PostgreSQL as part of TenSci[4]. - Prepared wireframes and mockups for the same, documenting the whole process.
Mentora *(Solo Dev)*	- Built an **All-in-one Academics app** for students of the campus, where they could ask doubts, upload notes, apply for a study-buddy (or tutor), and a detailed course page scraped from institute department websites. - Built using Next JS, MongoDB, Azure Blob Storage, Next-Auth, Google Sheets API, Puppeteer.
Comportal (Hackathon)	- Placed **3rd** in a 24 hour hackathon organised by the Techsoc club **out of 80 participants.** - Built a complaint portal app which could potentially replace the current institute complaint portal using Next JS, React, Server-Side Rendering, MongoDB, Next-Auth.
FMHY Website *(Solo Dev)*	- Developed a full-stack website for a popular reddit community with MERN stack, Reddit API. - Built a service which periodically fetches and cleans data from their GitHub page, and updates the Database using a **CRON Job,** built using Cheerio, Prisma ORM, Typescript, Node, MySQL.
JMT Shaastra *(Solo Dev)*	- Developed a website for Junior Make-A-Thon event, part of Shaastra IITM. - Built the registration form with Google Sheets serving as the database, using Next JS, Google Sheets API.
Portfolio	- Built a portfolio app using Next JS, React, Framer motion. - Implemented **Parallax scrolling**, Opacity change on scroll, smooth scroll and other design techniques.

POSITIONS OF RESPONSIBILITY

Tensors WebOps Head '22 - present	- Coordinated and led projects undertaken by TenSci[4] to fund its social campaign project. - Recruited and trained a team of 9 junior coordinators responsible for assisting NGOs with technical solutions; guiding and mentoring them throughout.
Tensors WebOps Coordinator '20 – '22	- Developed the UI for Tensors dashboard app to keep track of budget and projects. - Created the current Tensors Website from scratch using React.
Saarang WebOps Coordinator '20 –'21	- Worked on the Frontend & Backend for Sangam '21 using PostgreSQL, Express, & React. - Made changes to the Saarang Website from time to time.

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-Ongoing course, 3-Figure generated using Pull requests from GitHub, 4-TenSCI-Tensors Social Campaign Initiative, 5-Member of Parliament