Vishnu Vinod | ED20B073

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EDUCATION AND SCHOLASTIC ACHIEVEMENTS

Program	Institution	%/CGPA	Year of Completion
Dual Degree in Engineering Design	Indian Institute of Technology, Madras	8.18	2025
Class XII (CBSE)	SFS Public School, Kottayam	95.8	2020
Class X (CBSE)	Bharatiya Vidya Bhavan, Calicut	92.2	2018

- JEE Advanced AIR **3278** (2.5 lakh candidates)
- JEE Mains AIR **4104** (11 lakh candidates)
- KEAM[1] AIR **105** (1 lakh candidates)

SKILLS

Proficient: Typescript, JavaScript, Python, HTML, CSS, React, Next JS, React Native, Node, Express, tRPC, MongoDB, Puppeteer, Cheerio, Git, GitHub, Figma, Material UI, Tailwind CSS| **Intermediate**: Java, AWS, NestJS, Firebase, Electron, Redis, Mocha, Chai, C, C++, Spring Boot, Docker

PROFESSIONAL EXPERIENCE

- *Upcoming Quantitative intern at **NatWest** for Summer '24*

Commenda
Full-stack dev Intern
(May '23 – July '23)
- Built company blog, glossary using Next JS, Nest JS, Notion API as CMS, resulting in **120%** increase in site engagement.
- Deployed scheduler for automated metric loggings to Google Sheets and Email, reducing manual intervention by **80%**.
- Devised a puppeteer script leveraging Google Vision AI for captcha resolution and scrape data from external website.
- Achieved **88%** reduction in initial request time, later deployed on **AWS** using **EC2**, **ELB**. Also received a **bounty**, **LOR.**

Viak
Frontend dev Intern
(Dec '22 – May '23)
- Published a widget for businesses to easily embed tokens, resulting in **40%** increase in product engagement.
- Built a project settings page for efficient token collections and sales resulting in **50%** decrease in support requests.
- Boosted site performance by **43%** through lazy loading, asset optimizations, refactored legacy code and improved UX.

CoursePanel
Start-up Cofounder
(July '22 – May '23)
- Built a university portal, chatbot to aid **3300+** students to make better academic decisions in selecting courses
- Developed an Academic Operations Platform for faculty to improve program planning and content relevance.
- Consulted a professional academy on curriculum designing and syllabus for learning software development.

Blocktrack
Mobile dev Intern
(Sept '22 – Nov '22)
- Contributed to the development of hybrid mobile app from scratch, creating variety of UI components and design.
- Worked on the authentication flow, establishing OTP login. Used React Native, Typescript, and Firebase.

Accelerate
Backend dev Intern
(Jan '22 – May '22)
- Built the back-end of ordering and starter app for a notable restaurant chain catering to 50,000+ daily customers.
- Migrated the POS software from **monolithic to microservices** based architecture following MVCS pattern.
- Implemented JWT auth, documented the APIs using swagger. Used Express JS, Electron JS, CouchDB, Java, Spring Boot.

PROJECTS

FMHY
- Developed a full-stack website for a popular Reddit community attracting more than **20K+ daily active users.**
- Built a comprehensive wiki page, search, discord bot using RESTful APIs, React, Typescript, Express, Cheerio, Prisma.
- Periodically scraped, sanitized, and stored data from their GitHub page, enhancing overall data reliability, accessibility

JMT Shaastra
- Collaborated with Shaastra[2] IITM to build a website for Junior Make-A-Thon event, enabling the seamless registration of over 3000 students from all over the country, using Next JS, with Google Sheets serving as the database.

Ping
- Built an emergency-alert mobile app, dashboard for on-campus students utilizing Expo, Next JS, Express JS, MongoDB.
- Constructed an Admin Dashboard with real-time location tracking and proximity-based camera feeds triggered by user.

EverHealth
- Developed a mobile app encouraging users to complete daily tasks using gamification techniques, using Expo, Firebase.
- Integrated a personalized GPT-4 powered doctor assistant, leaderboard, RSS feeds, dynamic streak, and level system.

Portfolio
- Built portfolio with static blog using MDX with static site generation for improved performance and SEO.

POSITIONS OF RESPONSIBILITY

Tensors[4]
WebOps Head ('22–'23)
- Coordinated and led projects undertaken by Tensors[4] to fund its social campaign project driving **25%** increase in revenue.
- Built web and mobile grievance portals for MP[3] serving Idukki Constituency benefiting **12 Lakh+** citizens with their needs.

Saarang[5]
DevOps Coord ('20 –'21)
- Built the Saarang '21 leaderboard app, updating points real-time using PostgreSQL, Express, React.
- Updated and modified Saarang website portal used by over **1,80,000** students from **500+** colleges all around India.

EXTRA-CURRICULAR AND CO-CURRICULAR ACTIVITIES

Buildschool[6] '22
- Built Mentora, an academic portal for students to ask doubts, upload notes, course details scraped from IITM website.
- Attained **3rd** place among a cohort of 10 teams, following selection from a competitive pool of 100+ students.
- Used technologies like Next JS, MongoDB, Redis, Azure Blob Storage, Google Sheets API, Puppeteer, Cheerio.

Hackathons

Comportal
- Built Comportal, a complaint portal app, winning **3rd** among 80+ students in a 24-hour hackathon by IITM Techsoc Club

Uxie
- Built Uxie, a pdf reader with note taking, annotations, multi-people collaboration support and LLM integration.
- Placed **2nd** among 100+ students in a 24-hour hackathon by IITM Techsoc Club, using NextJS, PostgreSQL, LLaMA LLM.

ML
- Placed **2nd** in a 12-hour ML-Hackathon conducted by SRM University, attended by over 100 participants.
- Achieved an outstanding accuracy of **97.24%,** involving data cleaning, training using the **RandomForestClassifier** model.

- Tech enthusiast, follows tech blogs/subreddits.
- Chess FIDE rating 1348, District Champion.
- Hostel Basketball Athlete

1-Kerala Engineering and Medical Entrance Examination, **2**-IITM's annual technical festival, **3**-Member of Parliament
4-NGO run by the students of IITM, **5**-IITM's annual cultural festival, **6**-Competition by IITM Techsoc club