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	8.11	2025
Class XII (CBSE)	SFS Public School, Kottayam	95.8	2020
Class X (CBSE)	Bharatiya Vidya Bhavan, Calicut	92.2	2018

- JEE Advanced (2020) AIR **3278** among 2.5 lakh candidates
- JEE Mains (2020) AIR **4104** among 11 lakh candidates
- Placed **3rd** from 80 participants in a 24-hour hackathon by IIT Madras Techsoc Club
- KEAM[1] (2020) AIR **105** among 1 lakh candidates

SKILLS

Proficient: Typescript, JavaScript, Python, HTML, CSS, React, Next JS, React Native, Node, Express, MongoDB, Puppeteer, Cheerio, Git, GitHub, Figma, Material UI, Tailwind CSS, Mantine UI, Bootstrap | **Intermediate**: tRPC, Java, Nest JS, Firebase, Electron, Redis, Markdown, MDX, C

PROFESSIONAL EXPERIENCE

Commenda
Full-stack dev Intern
(May '23 – July '23)

- Built company blog and glossary using Next JS, Notion API as CMS, resulting in **120%** increase in website engagement.
- Devised a puppeteer script leveraging Google Vision AI for captcha resolution and scrape data from external website.
- Achieved an exceptional **88%** reduction in initial request time, and deployed on **AWS** using **EC2**, **ELB** for reverse proxy.
- Deployed scheduler for automated metric loggings to Google Sheets and Email, reducing manual intervention by **80%**.

Viak
Frontend dev Intern
(Dec '22 – May '23)

- Published a widget for businesses to easily embed tokens, resulting in **40%** increase in product visibility, engagement.
- Built a project settings page for efficient token collections and sales resulting in **50%** decrease in support requests.
- Refactored legacy class components into functional components, rectifying key issues for a better user experience.

CoursePanel
Start up
(July '22– May '23)

- 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.
- 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 authentication, documented the APIs using swagger. Used Express JS, Electron JS, CouchDB.

PROJECTS

FMHY

- Developed a full-stack website for a popular Reddit community attracting more than **15k daily active users.**
- Also built a comprehensive wiki page, using RESTful APIs, React, Typescript, Express, Cheerio, Prisma.
- Periodically scraped, sanitized, and stored data from their GitHub page, enhancing overall data reliability, accessibility.
- Added a user-friendly search function and a Discord bot for efficient data queries, boosting overall user engagement.

Mentora

- Built an academic portal for students to ask doubts, upload notes, with 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, Azure Blob Storage, Next-Auth, Google Sheets API, Puppeteer, Cheerio.

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.

Redora

- Constructed a Reddit clone integrating post editor, nested replies, and subreddits using Next JS, Prisma, Redis.
- Incorporated advanced post caching using Redis to enhance the overall user experience and response times.

Ping

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

JMT Shaastra

- Collaborated with Shaastra 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.

Portfolio

- Built portfolio implementing parallax scrolling, and other design techniques using Next JS, Framer motion.
- Added a static blog using MDX with static site generation for improved performance and SEO.

POSITIONS OF RESPONSIBILITY

TenSci[3]
WebOps Head
('22 – '23)

- Coordinated and led projects undertaken by TenSci[3] to fund its social campaign project driving a **25%** increase in revenue.
- Built web and mobile grievance portals for MP[2] serving Idukki Constituency benefiting **12 Lakh+** citizens with their needs.

Saarang
DevOps Coordinator
('20 –'21)

- Built the Sangam '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

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

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