

Ezhill Ragesh

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EDUCATION

B.Tech in Computer Science Engineering and Business Systems

Sept. 2021 – July 2025

Vellore Institute of Technology, Vellore

CGPA: 8.4

- Courses: OOPS Concepts, Computer Networks, Operating Systems, Data Structures and Algorithms, Design and Analysis of Algorithms, Computer Architecture & Organization, Computational Statistics.

PROFESSIONAL EXPERIENCE

Front-end Engineer

Oct. 2023 – Dec. 2023

Stealth Startup

Remote

- Joined as the inaugural **Front-end Engineer** to design and develop a comprehensive, data-driven **dashboard** for internal analytics, improving data visibility and user engagement.
- Engineered **interactive UI components** with React and Tailwind CSS to display complex backend analytics, enhancing the user experience by making data more intuitive and actionable.
- Collaborated closely with the backend team (**Django**) to **integrate RESTful APIs**, reducing data retrieval latency by 30% and ensuring seamless real-time data updates for accurate decision-making.

Software Developer Intern

Aug. 2023 – Sep. 2023

Minuscule Technologies

Chennai

- Developed a **health analytics dashboard** that aggregates data from wearable devices (e.g., Fitbit, Apple Watch) and processes data through third-party apps like **Google Fit** and **HealthKit**.
- Engineered **data synchronization and aggregation** mechanisms using RESTful APIs to ensure consistency across data sources, enabling real-time updates and smooth user experience.
- Implemented **visual data representation** in the form of interactive charts using libraries like Chart.js, offering real-time insights into health metrics such as steps, calories, and heart rate.

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, TypeScript, SQL

Libraries/Frameworks: React, NextJS, Tailwind CSS, MaterialUI, ExpressJS

Developer Tools & Platforms: Git, GitLab, Bash, BitBucket, Firebase, MongoDB, PostgreSQL

Other: RESTful APIs, Agile Development, Data Structures, Algorithms, CI/CD, Test-Driven Development (TDD)

PROJECTS

SourceGuide | *TypeScript, shadcn UI, TailwindCSS*

- Developed a **platform** to display **beginner-friendly issues** from GSoC organizations.
- Integrated the **GitHub API** to filter and fetch detailed issue data from GSoC organizations.
- Ensured **type safety** and maintainability by implementing **TypeScript**.
- Deployed the application on **Vercel**, successfully acquiring a user base of **1000+ users**, with an average of **30 users/day**.

TrueLead | *TypeScript, Express.js, Gemini LLM*

- Developed a **platform** enabling entrepreneurs to perform **product research** using images.
- Built the backend server using **Express.js** and implemented systems to process product details.
- Utilized **Gemini LLM** to provide detailed insights and recommendations about the products.

Files to QR | *Node.js, Express.js*

- Built a web application to convert uploaded text files into **QR codes** for easy sharing and downloading.
- Integrated **Multer** for efficient file handling and **QRCode.js** for seamless QR code generation.

VOLUNTEER EXPERIENCE

Technical Head

Apr. 2022 – Jan. 2024

Zero Waste Management Club

- Led events focused on sustainability, driving high participation and engagement.
- Facilitated workshops on waste management and sustainable practices.