

WORK EXPERIENCE

Deloitte India (Offices of the US)

- **Software Engineer 1** 06/2024 - Present
 - Gaining deep understanding of an M&A microservices project in **Python**, analyzing codebase **architecture** and data flow. Currently implementing small changes to accommodate new features and improve functionality.
 - **Modernized** a legacy dashboard from **Knockout.js** to **Angular** using the **PrimeNG** library, refactoring complex components, optimizing state management and implementing modular structure. Significantly reduced load times, improved performance and elevating overall user experience.
 - **Mentored 3 trainees** in **Angular** development, guiding on best practices, component architecture, and state management.
- **Associate Software Engineer** 06/2022 - 06/2024
 - Engineered a **Python-based tagging feature** with an API for seamless UI and Azure Data Factory integration, reducing process time from **24–48 hours** to **5–10 minutes**.
 - Deployed advanced caching mechanisms, improving code execution speed by approximately **90%**.
 - Leveraged **Docker** and **Azure Container Instances**, increasing deployment efficiency by approximately **40%**.
- **Technology Intern** 01/2022 - 04/2022
 - Reimagined UI screens using **Angular**, enhancing navigation and visual appeal, achieving 100% user approval and faster navigation times.

SKILLS

Programming Languages: TypeScript, Python, HTML5, CSS3, JavaScript (ES6+), Java

Framework / Libraries: Angular, Next.js, React, Django (Beginner), Tailwind CSS, Bootstrap, PrimeNG, Zustand

Cloud Platform / Tools: Supabase, Azure, Vercel, Git, Docker (Beginner)

PROJECTS

Custom Python Web Server([Repo](#))

- Built a **lightweight web server** inspired by FastAPI, using **Python** and **Socket Programming** to deepen understanding of web server internals.
- Implemented support for handling **multiple concurrent clients** using **threading**. Implemented features like **request parsing**, endpoint specific responses (e.g., **file handling**, **user-agent display**), and **gzip compression** for optimized response delivery. Learned **HTTP request-response** mechanisms and **socket communication principles**.

Personal Portfolio ([View](#), [Repo](#))

- Developed a modern **portfolio** with **Next.js** & **TypeScript** and **Tailwind CSS** for styling, leveraging **Vercel Insights** for performance tracking and user behavior analysis. Improvements based on **insights** resulted in a **20% reduction** in bounce rate.

Wordle Clone ([View](#), [Repo](#))

- Redesigned a Wordle clone using **Next.js** and **TypeScript** and **Tailwind CSS**, implementing **Static Site Generation (SSG)** to boost performance by **30%**. Used **Zustand** for efficient state management to ensure real-time interactivity.

EDUCATION

Vellore Institute of Technology Chennai

- Bachelors in Electronics and Communications Engineering

05/2022
CGPA: 8.54

LEADERSHIP & CERTIFICATIONS

Certifications: AZ-900 (Microsoft Certified Azure Fundamentals)

Leadership Experience:

- **Cluster Lead:** Managed a group of more than 10 employees on an Audio Book Recording Project.
- **Team Leader:** Led the university dramatics team to cultural fests and bagged 5+ prizes.

Awards:

- **Spot Award (Oct 2023, Feb 2023):** Commended for significant and impactful contributions to the product. Demonstrated strong python skills and effective implementation.