

# Tushar Prayag

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## Summary

Final year, passionate and detail-oriented Software Engineering student with hands-on experience in full-stack development, cloud technologies, and DevOps. Proven ability to deliver scalable, secure, and user-friendly applications. Seeking opportunities to contribute to innovative projects and grow as a software engineer.

## Education

### Vellore Institute of Technology (VIT)

Sep 2021 – Present

Bachelor of Engineering in Electronics and Communication Engineering (CGPA : 8.27/10)

Vellore, India

### Arya Central School (CBSE)

Mar 2019 – Mar 2021

Senior Secondary, Grade: 85.6/100

Trivandrum, India

## Internship Experience

### SDE Intern, Zerone Consulting

Jan 2025 – Present

Delivering end-to-end application

Hybrid

- **Developing a full-stack application** featuring a robust **role-based authentication system**, enhancing security and user access management.
- Enhanced system reliability by implementing advanced **error logging** mechanisms, reducing downtime by **30%** and improving overall **user experience**.

### Backend Developer Intern, CollabJunction

Jun 2024 – Aug 2024

Event Platform

Remote

- Enhanced error handling with robust *error logging*, validating, reducing system downtime by **30%** and improving reliability, while optimizing **SEO** through meta tags, site speed, and on-page enhancements, driving a **40% increase** in search rankings and organic traffic.
- Developed a blogging platform with full **CRUD** functionality, authentication, and responsive design, achieving a **20% increase** in user engagement through seamless usability and performance.

## Projects

### LumaAI, AI Chat Application | *NextJS, React, TypeScript, Prisma, Gemini API, ImageKit, Express, TailwindCSS*

[Demo Video](#) – [GitHub Repo](#)

- Developing a responsive AI-powered chat application using the **Gemini API** to enable real-time conversational capabilities, integrated with **NextJS** and **React** for a seamless front-end experience, styled with **TailwindCSS** for a modern UI.
- Optimized backend performance with **Express** routing and **Prisma** for efficient database management, achieving a **30% faster response time**, and incorporated **ImageKit** for dynamic image handling to enhance user interaction.

### XeonWallet, A Simple, Secure Digital Wallet | *Next.js, TypeScript, Docker, GitHub Actions, Prisma, TailwindCSS*

[Demo Video](#) – [GitHub Repo](#)

- Developed a secure digital wallet application focusing on simplicity, security, and scalability using **Next.js** and TypeScript and implemented Auth using **NextAuth**.
- Dockerized the application for seamless deployment and scalability, and set up **CI/CD pipelines** using **GitHub Actions**.

### ForegeStory, A Medium Clone | *React, HonoJS, TypeScript, Prisma, Cloudflare Workers, TailwindCSS*

[Live Link](#) – [GitHub Repo](#)

- Leveraged **Cloudflare Workers** to build a scalable Medium-inspired blogging platform, cutting latency by **40%** through edge computing optimizations.
- Integrated secure **JWT-based authentication**, strengthening user session management and reducing security risks.

### AWS Memory Game | *AWS S3, AWS CodePipeline, JavaScript*

[GitHub Repo](#)

- Built a **static memory matching game** using HTML, CSS, and JavaScript, and implemented a **CI/CD pipeline** with AWS CodePipeline to deploy and host it on **AWS S3**.

## Skills

**Programming:** JavaScript, TypeScript, Java

**Tech:** React, Next.js, Express, Docker, AWS, Git, Redis

**Databases:** MongoDB, PostgreSQL, MySQL

**Tools:** Prisma, GitHub Actions, TailwindCSS