

# B Vignesh Sai Raghav

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## EDUCATION

**BE Computer Science and Engineering** 03/2022 – 07/2026  
*Sathyabama Institute Of Science And Technology [SIST]* Chennai, India

## PROFESSIONAL EXPERIENCE

**Intern - App Development** 02/2025 – 08/2025  
*Sedin* Chennai, India

- **Engineered** a cross-platform mobile module using **Flutter** and **Dart** to handle self-service requests via **IBM Maximo API**, improving asset/service management workflows.
- **Developed and optimized** secure RESTful API integrations, implementing authentication, data serialization, and responsive UI components for seamless Android and iOS experiences.
- **Delivered** a fully functional production-ready app module on schedule, enhancing request handling efficiency and demonstrating end-to-end ownership of feature design, development, and deployment.

**Intern - Partner & Content** 05/2024 – 08/2024  
*ai club* Delhi, India

- **Developed and deployed** startup website using modern **JavaScript** tooling, leveraging static site frameworks and libraries
- Integrated **third-party event platforms** (Lu.ma, Splashthat) via **RESTful** APIs enabling 500+ event registrations with secure and scalable data management.
- **Managed and optimized website content** with **SEO best practices** (structured metadata, Google Search Console, Next.js optimizations), improving organic traffic, search ranking, and overall user experience.

## PROJECTS

**Web/Home Server**

- Built a NAS/Web server solution on **Debian** using **NGINX** across 2 machines, implementing RAID for redundancy and FTP for file sharing, ensuring 99.9% uptime and secure data access.
- Implemented Web Server with **DNS-based custom domain routing**, firewall rules, and **TLS** encryption, resolving critical security vulnerabilities and ensuring secure external access for 20+ users.
- Integrated **AWS S3** for offsite backup and storage extension, validating email notifications via **SMTP** test runs, enhancing system resilience and disaster recovery readiness.

**Eye Wellness App**

- **Developing an Eye Wellness App** using the **Flutter framework** (Dart).
- Designed to track phone usage, provide personalized feedback and usage duration insights, and deliver custom alerts to promote healthier screen habits.

## ORGANIZATIONS

**Unciv (OpenSource Contribution)**

- Contributed to **Unciv**, a popular open-source strategy game (10K+ players) built in Kotlin, collaborating with global developers to improve gameplay mechanics.
- Diagnosed and resolved **Windows platform errors**, implemented **Multiplayer API updates**, and delivered **UI fixes** across the game, improving stability and player experience.

**Coding Club SIST (Club)** 08/2023 – 01/2025  
*Vice President*

- Served as Vice President, leading 30+ student members in coding workshops, hackathons, and peer-to-peer mentoring, fostering a collaborative learning environment.

**ACM-SIST (Club)** 10/2023 – 01/2025  
*Content Core Member*

- Created and managed technical content for ACM-SIST, publishing articles and resources that engaged 200+ students and supported technical event participation.

## SKILLS

<b>Technical</b> C/C++ Python SQL Java Golang HTML CSS JS Svelte Node.js MongoDB Pytorch Docker Git Flutter Dart Kotlin Linux Networking	<b>Languages</b> Strong in English, Hindi and Tamil with relative in Gujarati and Japanese
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