

# Balasubramanian TBR

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## EXECUTIVE SUMMARY

Second-year Computer Science undergraduate at SASTRA Deemed to be University with hands-on experience building and deploying full-stack web applications used by real users. Strong in Next.js, PostgreSQL, and document processing systems. Actively seeking software engineering internships.

## EDUCATION

*Bachelor Of Technology - Computer Science*

**SASTRA Deemed To Be University (2024 - 2028)**

(CGPA: 7.64)

*Activities: ByteClub (Hackathons), DSoC, Daksh Workshops*

## PROJECTS

**Falar - Open Source Social Networking Platform** | [Link](#) (December 2022 - June 2024)

*Technologies: Next JS, PostgreSQL (Supabase), Google OAuth, Amazon S3, TailwindCSS*

- Built and deployed a full-stack social platform with authentication, content posting, and media uploads using Next.js and PostgreSQL.
- Integrated Google OAuth and Amazon S3. Designed relational schemas and end-to-end features.

**MacOS-Next - Convergent Portfolio Website** | [Link](#) (December 2025 - Present)

*Technologies: Next JS, TailwindCSS, Framer Motion, GSAP*

- Built a macOS-style interactive portfolio with window management on desktop and a responsive convergent iOS-style UI on mobile.
- Implemented custom animations and responsive transitions using Framer Motion and GSAP.

**SASTRACKER - Modern PyQ DB for College Students** | [Link](#) (November 2025)

*Technologies: Next JS, PostgreSQL, Supabase, LLM APIs, FastAPI*

- Built a system used by 500+ students to convert question paper PDFs into a structured, searchable database, handling multi-page and inconsistent formats.
- Implemented LLM-assisted extraction with fallbacks, fast search, AI-assisted solving, and community-contributed answers.

**SquadSearch - Anonymous Hiring & Shortlisting Platform** | [Link](#) (December 2025 - Present)

*Technologies: Next JS, PostgreSQL, Supabase, LLM APIs, FastAPI*

- Developed an anonymous-first hiring platform generating candidate summaries using AI from resumes and GitHub data to reduce bias.
- Built swipe-based shortlisting and a secure invite-only contact reveal workflow.

## SKILLS

GitHub: [Link](#)

*Primary Technologies: Next.js, React, JavaScript, PostgreSQL, Supabase*

*Backend and Systems: REST APIs, Authentication Systems, Database Design, Document Processing Pipelines*

*Tools and Platforms: Git, Docker, Google Cloud Platform, Linux*

*Frontend and UI: TailwindCSS, Framer Motion, GSAP*

*Programming Languages: Python, Java, C/C++*

*Communication: English - Fluent | Tamil - Native | French - Beginner*

