

# Balasubramanian TBR

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## EXECUTIVE SUMMARY

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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, NodeJS, PostgreSQL and frontend designing. Actively seeking software engineering internships.

## EDUCATION

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*Bachelor Of Technology - Computer Science*

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

(CGPA: 7.64)

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

## PROJECTS

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**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, diagram questions and inconsistent formats.
- Implemented LLM-assisted extraction with fallbacks, fast search, AI-assisted solving, and community-contributed answers.

**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.

**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

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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