

# KEERTHI VASAN S A

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## EDUCATION

### B.Tech. Computer Science - Artificial Intelligence and Data Analytics

Chennai, TN

Sri Ramachandra Institute of Higher Education and Research; **9.71 CGPA**

Jun 2021 - Expected Jul 2025

## EXPERIENCE

### Software Development Engineer Intern

Aug 2023 - Oct 2023

Mable

Karlsruhe, Germany

- Designed AWS Lambda functions in Python, Typescript and Golang with a team and sole lead and in charge of a critical microservice handling more than 1 million requests / day across platforms.
- Decreased memory usage for event deduplication by 92% to 40 bytes by moving to a proprietary system with Golang and Redis from Postgres.
- Collaborated with Meta (Facebook) on a comprehensive study, revealing an increase in customer spending by up to 77% when using the data pipeline.

### Full-stack Developer Intern

Feb 2023 - Apr 2023

Unacademy

Bengaluru, India

- Engineered EmailGenie, a cold email generation AI tool that tailors emails based on recipients' LinkedIn profiles, experience and skill set resulting in 200+ customers acquired within a week of launch.
- Developed Cohesive, which is an AI platform recognized as the #2 Product of the week on ProductHunt, with the ability to generate entire documents, edit, cut, and improvise in real-time.
- Co-ordinated directly with the core team and CTO for the flagship Cohesive project after showing technical proficiency in initial project - EmailGenie extending the feature set by 40% in just three weeks of joining.

## PROJECTS

### Animos | [🔗](#) | Electron.JS, Node.js, Typescript, SQLite, Github

Dec 2022 - Feb 2023

- Developed a cross-platform desktop application enabling users to stream high-quality videos on demand.
- Collaborated with coordinators around the world, delegating tasks around the project.
- Rated 200+ stars in GitHub, 100K+ views in Reddit, 50K+ unique monthly visitors.
- Earned a prestigious full 5-star rating from Softpedia.org for the desktop application.

### SavanahDB | [🔗](#) | DBMS, OS, Network, Typescript, Systems Programming

Jan 2021 - Feb 2021

- Created a Database Management System from scratch in JavaScript with asynchronous I/O and WebSockets.
- Achieved 55x faster batch inserts and 40% faster updates compared to SQLite in WAL mode.
- Ensured sub-millisecond synchronization for operations by implementing a lazy scheduled updater.

## SKILLS

**Languages:** Javascript, Typescript, Golang, Java, Python, C/C++, SQL.

**Databases:** Redis, MongoDB, MySQL, Postgres.

**Frameworks:** ExpressJS, Django, Flask, Spring Boot, React.js, Next.js, Svelte.

**AI & ML:** LLMs, PyTorch, OpenCV, Tensorflow, SageMaker.

**Developer Tools:** Git, Docker, Kubernetes, AWS, Google Cloud Platform.

**Other Technologies:** HTML, CSS, Caching, Linux, Networking

## ACHIEVEMENTS

- Negotiated contracts to build scalable full-stack applications for analyzing and tracking stock option trades for investors in New York, earning **\$2500 (Rs. 2,15,000)** in **10th grade**.
- Outperformed **5000+** candidates across India to earn one of 7 spots in a competitive Unacademy Internship.
- Achieved a Gold Medal for **4** consecutive years in the National Cyber Olympiad, ranking **129** internationally (**Top 5%**) and **13** in Tamil Nadu and Puducherry, earning a Medal of Distinction.
- Received a **Special Regional Award** from DXC Technologies for game development in Senior Category.
- Won **Gold Medal** in the Inter-School Computer Science Expo (Chrysalis) for **5** consecutive years.
- Awarded the **Founder's Cash Prize** by the University for the highest score in the department.