

KEERTHI VASAN S A

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EDUCATION

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

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

Chennai, TN

Jun 2021 - Expected Jul 2025

EXPERIENCE

MableAI

Software Development Engineer Intern

Aug 2023 - Oct 2023

Karlsruhe, Germany (Remote)

- Developed AWS Lambda functions in Python, TypeScript and Golang.
- Led architectural design and implementation of a critical microservice handling over **1 million** requests per 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.

Unacademy

Full-stack Developer Intern

Feb 2023 - Apr 2023

Bengaluru, India

- Developed Cohesive [🔗](#), 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.
- Engineered EmailGenie, an AI-powered cold email generation tool that tailors emails based on recipients' LinkedIn profiles, experience and skill set resulting in **200+** customers acquired within a week of launch.
- 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.

SKILLS

Languages: Javascript, Typescript, Golang, Java, Python, C++, SQL

Databases: Redis, MongoDB, MySQL, Postgres

Frameworks: Express, Django, Flask, Spring Boot, React, 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

PROJECTS

Bring to Life | [🔗](#) | LLMs, Gen AI, HTML, Edge Computing

Apr 2024 - Apr 2024

- Create a story from the objects you take a photo of as live characters with thumbnail
- Performs Object detection, description and text and image generation all chained as a pipeline.
- Leverages Cloudflare Workers, an edge computing platform to execute close to the user and uses models such as ResNet, BERT, etc. in conjunction

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.

ACHIEVEMENTS

- Awarded the **Founder's Cash Prize** and Scholarship by the University for the highest score in the department. 2024
- Solved **600+** problems across platforms, **450+** in Leetcode, Max rating: **1771** in just 8 contests. 2024
- Globally ranked **90** in Codechef 119, Div 3. 2024
- 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 **11th grade**. 2020 - 2022
- Secured a Gold Medal for **4** consecutive years in the National Cyber Olympiad, ranking **129** internationally and **13** in Tamil Nadu and Puducherry, earning a Medal of Distinction. 2017 - 2020
- Received a **Special Regional Award** from DXC Technologies for game development in Senior Category. 2019