

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 - Present

EXPERIENCE

Software Development Engineer Intern

Mable

Aug 2023 - Oct 2023

Karlsruhe, Germany

- Designed a scalable and distributable micro-service architecture with AWS Lambda functions in Python, Typescript and Golang for e-commerce websites to aggregate user behavior data.
- Decreased memory usage for event de-duplication by 92% by moving to a proprietary system with Golang and Redis from Postgres.
- Collaborated with Meta (Facebook) on a comprehensive study, revealing a significant surge in marketing ROAS by 108%, customer spending by 77%, and AOV by 19% when using our data pipeline.

Full-stack Developer Intern

Unacademy

Feb 2023 - Apr 2023

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, 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.

PROJECTS

SavanahDB | DBMS, OS, Network, Typescript, Systems Programming

Jan 2021 - Feb 2021

- Created a Database Management System from scratch in Javascript.
- Achieved 55x faster batch inserts and 40% faster updates compared to SQLite in WAL mode.
- Ensured sub-millisecond synchronization for operations by implementing an asynchronous queued updater.

Animos | Electron.JS, Node.js, Typescript, Prisma, SQLite, Github

Dec 2022 - Feb 2023

- Developed a cross-platform desktop application enabling users to stream high-quality videos on demand.
- Reduced load times to sub 5ms by deploying a local application cache with SQLite and a scalable global cache with Redis.
- Rated 180 stars in GitHub, reviewed and coordinating efforts with core contributors around the world.
- Received 5 stars from the critics of Softepedia.org and downloaded nearly 10,000 times in the first month of release.

SKILLS

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

Databases: Redis, MongoDB, MySQL, Postgres.

Frameworks: Django, Flask, Fast API, Spring Boot, Go Fiber, Ruby on Rails, React.js, Next.js, Svelte, Vue, Angular.

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

ACHIEVEMENTS

- Achieved **Gold Medal** in the National Cyber Olympiad for **four** consecutive years.
- Secured an international rank of **129** and Zonal Rank **13** in the National Cyber Olympiad, earning **Medal of Distinction**.
- Received a Special Regional Award from DXC Technologies for game development.
- Won Gold Medal in Inter-School Computer Science Expo (Chrysalis) for 5 consecutive years.
- Awarded Founder's Cash Prize Award by the University for scoring the highest mark in the department.
- 270+** LeetCode questions solved, LeetCode Contest Rating: **1730 (Top 10% in the world)**.