Aditya Srinivasan

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○ https://github.com/srinivasan-ad | ⊕ https://www.adityasrinivasan.in | in/adityasrinivasan09

Skills

Languages: NodeJS/JavaScript, TypeScript, C/C++, GoLang, Java, Basics of Python, SQL, Basic knowledge of system design, Linux.

Frameworks & Libraries: Next.js (React.js), Basic understanding of R3F (React Three Fiber), Tailwind CSS, Express.js (REST APIs), GraphQL, WebSocket (native JavaScript), Socket.IO (WebSocket), JWT (Authentication).

Databases & DevOps: PostgreSQL, OracleSQL, RedisDB, MongoDB, AWS, EC2, Docker, Kafka, Postman, Git

Education

BGSCET Bengaluru   Dec 2022 - May 2026

B.E. in Computer Science and Engineering   *CGPA: 8.461/10*

Relevant Coursework: Object Oriented Programming, Databases, Graph Theory, Data Structures and Algorithms, Operating Systems, Computer Networks, Artificial Intelligence , Cloud Computing, Advance Data Structures and Algorithms, Information

Projects

Advaya Hackathon   Mar 2025

Backend Engineer

- Built backend architecture, payment integration, and automated workflows for Advaya hackathon platform.
- Reduced manual registration work by around 90% through automated WhatsApp and Email confirmations with custom QR ticketing.
- Reduced query resolution time by around 60% with a nested commenting system and boosted event setup efficiency by around 75% via GitHub repo auto-creation on QR scans.
- Improved overall hackathon management efficiency by around 80%.
- Project Link: Advaya
- Technologies Used: Next.js, React.js, TailwindCSS, Express.js, Node.js, PostgreSQL, Framer Motion.

Macha Lang - Kannada Programming Language   Feb 2024

Full-Stack Engineer

- Developed the AI-powered feedback system for a MachaLang compiler, handling syntax and logical error detection, explanations, and optional code comparisons in Python, JavaScript, and other languages, reducing time users spent debugging small errors by around 60%.
- Contributed to the web frontend, specifically building the editor and terminal for users to code and interact with the AI feedback system in real time.
- Implemented multilingual support (Tamil & Telugu) to make the platform accessible to a wider audience.
- Project Link: Macha Lang - v2
- Technologies Used: NextJS, ReactJS, TailwindCSS, Monoca Code Editor, SocketIO, ExpressJS, Zod, AWS, EC2, Docker.

Data Whale - Auto Types Generator   Sept 2024

Backend Developer

- Built a tool to simplify GoLang REST API design by auto-generating types and creating folder-based routes for all API endpoints.
- Implemented a feature to transform CSV files into SQL tables using a message broker (Kafka), improving developer efficiency.
- Developed for Hackathon Gofr.dev 2024. Project Link: Data Whale
- Technologies Used: NextJS, ReactJS, TailwindCSS, GoLang, GoFr.

Awards and Certificates

- **NASA Space Apps Hackathon 2024**: Global finalist - International level(Top 20 out of 15,000)
- **Srishti Project Exhibiton:**: 3rd place - VTU State Level.
- **DevSprint Hackathon:** 2nd place - intercollege.
- **Cipher 2k24 Hackthon:** 1st place - intercollege.
- **Avinya 2024 Hackathon:** 1st place - National level intercollege.
- **Techtonic 2024:** 2nd place - National level intercollege.