

SHREEVATSAN SITHU SUDARSAN

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EDUCATION

Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science Engineering: **CGPA: 8.81/10.0**

Sept. 2022 – Present
Bangalore, India

TECHNICAL SKILLS

Languages: C++, Java, Python, C, JavaScript, HTML, CSS

Technologies/Frameworks: React, Express, Flask, Firebase, MongoDB, MySQL, Docker, Strapi, Git, Bootstrap, Postman

Developer Tools and Methodologies: VS Code, Jupyter Notebook, GitHub, JIRA, Agile, Scrum, Waterfall

EXPERIENCE

Raja Educational Academy

March 2024 – July 2024

Lead Developer

Remote

- **Led a team of 6** in building a fully functional platform for an educational academy, streamlining their operations.
- **Designed and developed** the frontend using **React.js**, ensuring a responsive and intuitive UI for students and faculty.
- Implemented a robust backend with **Node.js** and **Express.js**, handling user authentication, course management, and dynamic content delivery.
- Integrated **MongoDB** for efficient data storage and retrieval, along with secure data handling with real-time updates.
- **Deployed** and managed the website using **Plesk**, ensuring secure, **scalable hosting** with **backups** and **SSL integration**.

Ather Energy

June 2025 – August 2025

Software Engineer Intern

On-site

- **Developed and deployed** a full-stack Proof of Concept for a supplier-vendor portal using **Next.js**, including **RESTful API** integration and backend logic, which went live in just 3 weeks, **the quickest go-lives in the company's history**.
- Contributed to the backend and content management integration for the **internationalization of Ather's marketing site** using **Strapi**, supporting multi-region content delivery.
- Worked in an **agile** environment with tools like **Git**, **Postman**, and **Jira** to track, test, and deliver features in production.
- Gained hands-on experience with **server-side rendering**, **session/token management**, and **middleware configuration** for secure and performant web delivery.

PROJECTS

SchemaVerse | *MongoDB, Express.js, React.js, Node.js*

[Website](#)

- **Co-authored and presented a research paper** on SchemaVerse at **IEEE CONECCT 2024**, highlighting the use of gamification for learning NoSQL commands.
- Engineered a game-based learning platform with a **custom code editor** featuring autofill and syntax highlighting to simplify **NoSQL** query execution, with 100+ daily users.
- Optimized aggregation pipeline operations, ensuring seamless **filtering** and **retrieval** of datasets.

CodeRun | *Docker, Kubernetes, AWS, Microservices*

- **Developed and hosted** a secure code execution platform using **Docker containers** to run untrusted code using **microservices** for task execution, submission handling, storage, and API management.
- **Enhanced security and resource efficiency** by isolating execution environments, preventing malicious code execution.
- **Deployed** the platform on **AWS EC2 instances** and used **Kubernetes** for container orchestration, enabling automated deployment, scaling, and load balancing of microservices to efficiently handle concurrent executions.

CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations

March 2025

Amazon Web Services Training and Certification

- Gained experience using AWS tools for computing, storage, networking, databases, and an understanding of cloud security, architecture, and pricing. Understood how to deploy web applications adhering to protocols.

ACHIEVEMENTS & POSITIONS OF RESPONSIBILITY

- Published 4 papers in IEEE Xplore, related to DBMS, Computer Networks, Distributed Systems & Embedded Systems.
- Built a Computer Vision-based ML model for cancer cell detection within 12 hours during my first-ever pan institute hackathon, earning an honorable mention for exceptional performance as a new competitor.
- Secured 2nd place in Tech Tango, an AI-based competition testing theoretical and practical knowledge.
- Secured 2nd place in ELECTRONICA'23, an overnight Arduino and Raspberry Pi-based hackathon.
- Senior Executive of FORGE, organized workshops on game design and gamification.