SATHISH J

Thadagam, Coimbatore, Tamil Nadu

☎ +918838659473 ✉ sathish222j@gmail.com   in LinkedIn   ○ GitHub   ◨ Portfolio

EDUCATION

Amrita Vishwa Vidyapeetham | Coimbatore, India
Bachelor of Technology in Computer Science and Engineering | *Sep 2021 - May 2025*

Courses: *Data Structures and Algorithms, Object Oriented Programming, Database systems, Computer Networks, Operating System* CGPA: 8.54 / 10.0 (up to 5th semester)

Bharathi Matriculation | Coimbatore, India
Higher Secondary School (95%) | *Jun'17 - May'21*

SKILLS SUMMARY

- **Languages**: C/C++, Python, Java, JavaScript,TypeScript, R
- **Technologies**: Nextjs, React.js,Prisma,Node.js, Express.js,Hono, MongoDB, PostgreeDB,Recoil,Tailwind, HTML,CSS
- **Technical Skills**: Git/Github, Docker, Turborepo, AWS EC2 , Couldfare
- **Machine Learning and Data Science**: Experience with Python libraries (e.g., TensorFlow, Pandas, Scikit-Learn), data analysis, model development, and algorithm optimization

PROJECTS

FinPay Payment App *GitHub Link* | June 2023 - September 2023
Next.js, Turborepo, Docker, PostgreSQL, Prisma, GitHub Actions, AWS EC2

- Developed a payment application enabling users to add money to their wallets and send funds to other users with secure and fast transactions. **Turborepo** for efficient monorepo management
- Containerized the application using **Docker** for consistency across environments and implemented a CI/CD pipeline with **GitHub Actions**, deploying to **AWS EC2** for scalable and reliable hosting.

Blogging Website *GitHub Link Live Website* | February, 2024
Node.js, Hono, React, JWT, Prisma, PostgreSQL, Tailwind CSS, Cloudflare, Vercel

- Developed a full-stack blogging platform using **Node.js** and **Hono** for the backend, and **React** for the frontend. Secured with **JWT** authentication and data management with **Prisma** and **PostgreSQL**. **Tailwind CSS** forUI.
- **Prisma Accelerate** for connection pooling. Deployed backend on **Cloudflare** and frontend on **Vercel**.

Evaluation Dashboard App - Mentor View *GitHub Link Live Website* | March 2024
React, Tailwind CSS, Prisma, PostgreSQL, Hono, Cloudflare, Vercel

- Designed a **dashboard for mentors** to view, add, and organize students efficiently. Utilized **Prisma** and **PostgreSQL** for data management, and integrated **Prisma Accelerate** for database performance.
- Implemented the frontend with **React** and **Tailwind CSS** for a responsive, user-friendly interface. Deployed the backend on **Cloudflare** using **Hono** framework, and the frontend on **Vercel** for optimal performance.

Handwritten Digit Classification System using Raspberry Pi Pico *GitHub Link* | November 2023
Raspberry Pi Pico, Machine Learning, Circuit Python, Thonny IDE

- Developed a **machine learning-based system** for**classify handwritten digits**, achieving **92% accuracy**.
- Designed with **Raspberry Pi Pico**, TFT LCD, camera module, and breadboard for implementation.

RESEARCH WORKS

Software Defect Prediction Research | February 22-24, 2024
Innovations in Software Engineering Conference | *Bengaluru, India*

- Developed **DEST**, an ensemble-based self-training **semi-supervised learning model** for software defect prediction, and implemented **bootstrap sampling** strategies to generate labeled defect data.
- Key contributions include the development of **DEST** for large-scale labeled data generation and expertise in **ensemble** and **semi-supervised learning** using the **R** language.

CERTIFICATIONS

- Python for Data Science and Machine Learning Bootcamp Link
- Master the Coding Interview: Data Structures + Algorithms Link