Sharath Thomas

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PERSONAL PROFILE

Inquisitive and innovative computer science student pursuing Master's degree from the University of Leicester skilled in DevOps and cloud technologies, mobile and web development. Lead a student chapter as technical head and published multiple papers. Seeking to leverage development and leadership skills in a technical role.

EXPERIENCE

Samsung Research Institute, Bangalore — Project *Intern*

December 2019 - August 2020

- Active participant in the PRISM Project.
- Developed IoT solutions for Samsung Watch and TV on Tizen OS using C and JavaScript.

ISA-VIT, Vellore — *Technical Head*

April 2019 - April 2020

- Lead a group of over 100 students as the technical head of a student chapter, International Society of Automation.
- Regularly conducted events and technical sessions on various topics related to automation in both organiser and presenter roles.
- Successfully managed an international conference and multiple outreach programs along with other board members.

EDUCATION

University of Leicester — *Master of Science*

September 2021 - September 2023

- Advanced Computer Science with Industry
- Course topics include Cloud Computing and Mobile and Web Applications
- Available for internships for up to 12 months from July 2022.

Vellore Institute of Technology — *Bachelor of Technology*

July 2017 - July 2021

- Electronics and Communications Engineering with Specialization in IoT and Sensors.
- CGPA 9.02/10
- Course modules include topics like DSA, Java, C++, Python, Web Technologies and Mobile App Development.

SKILLS

DevOps, Docker, Kubernetes, Amazon Web Services, Google Cloud Platform.

ReactJS, Android App Development, Flask, SQL.

Ansible, Jenkins, Terraform.

Java, Python, JavaScript, Golang, C, C++.

PROJECTS

EzyShare — *Personal Project*

- ReactJS based website to send small files using peer-to-peer communication.
- Backend server written in Golang used to send public addresses of sender and receiver to each other.
- Dockerfiles for both client and server are written and images are available on Dockerhub.
- https://github.com/thesct22/ezyshare

[MusicFinder](https://github.com/thesct22/musicfinder) — *Personal Project*

- ReactJS based website to find popular songs, artists and playlists on Twitter.
- Backend written in Flask framework.
- Dockerfiles are made for both frontend and backend and are available on Dockerhub.
- https://github.com/thesct22/musicfinder
- https://github.com/thesct22/musicfinder-frontend

[EnvMon](https://github.com/thesct22/EnvMon) — *Capstone project for Undergraduate Degree*

- Monitors environmental conditions in a workspace and displays them.
- Website made using ReactJS, mobile app written in Java.
- Hardware uses a couple of sensors attached to Raspberry Pi and data is stored on Firebase Database.
- https://github.com/thesct22/EnvMon
- https://github.com/thesct22/envmon-website
- https://github.com/thesct22/envmon-hardware

Digital Procurement Assistant — *DEVSPACE Hackathon*

- An automatic procurement assistant system that automatically finds all products with agreements expiring in 2 weeks and negotiates a new agreement with all available vendors for the product via email and finalizes a single vendor and produces official agreement documentation for the agreed vendor.
- Designed the complete backend for the project and helped with the frontend part. https://github.com/RISHIT-ANAND/DEVSPACE

[GLCM-Matrix](https://github.com/thesct22/glcm-matrix) — *Advanced Web Technologies Coursework*

- Finds Gray Level Co-occurrence matrix of a random matrix with varying distance vector on a ReactJS based webpage with deployment instructions for AWS S3, Google App Engine, Kubernetes Engine and GitHub Pages.
- https://github.com/thesct22/glcm-matrix

ACTIVITIES

- Conference Paper, DOI: https://doi.org/10.1007/978-981-15-8221-9_16
- Journal Publication, DOI: http://dx.doi.org/10.34218/ijeet.11.4.2020.046
- Volunteering for a non-profit NGO that helps to empower students in the coastal belts of rural areas of India by regularly taking classes and activities for them.
- Participated in Bright Network Internship experience and got 100% completion rate for work sample provided by Google (06/2021).
- Finalist in Hack Off v2.0, conducted by IET-VIT (12/2019).
- Winner of IEEE Techloop 2019 Hackathon (03/2019)
- Finalist in IoT Challenge 2019, conducted in IIT Bombay (03/2019).
- Finalist in iAct 2019, conducted by ISA, Bangalore (03/1019).

REFERENCE

Available on request.