

Samarth S

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EDUCATION

PES UNIVERSITY

BACHELOR OF TECHNOLOGY,
COMPUTER SCIENCE AND
ENGINEERING

May 2021 | Bangalore
Cum. GPA: 8.74 / 10.0

LINKS

Github:// [Samarth2898](#)

LinkedIn:// [samarthaasoori](#)

COURSEWORK

UNDERGRADUATE

Cloud Computing
Computer Networks
Operating Systems
Advanced Algorithms
Database Management System
Compiler Design
Machine Learning
Artificial Intelligence

SKILLS

PROGRAMMING

Golang • Python • C/C++
Java • SQL • Javascript

FRAMEWORKS

Gin • fasthttp • Flask • Django
FastApi

SOFTWARE TOOLS

Git • Docker • Kubernetes
Amazon Web Services • Heroku
Zookeeper • RabbitMQ • Kafka
Elasticsearch

EXTRA CURRICULAR

Part of the organizing team of the college quiz club called QQC. Organized events with 5000+ participants.

Member of the organizing team of Atma Trisha, a techno-cultural fest and the flagship event of our college. Part of the Disciplinary Committee responsible for managing and overseeing crowds.

Interests in singing, biking, hiking, badminton and cricket

EXPERIENCE

LATLONG.AI | SENIOR SOFTWARE ENGINEER

Jan 2022 - Present | Bangalore, India

- Developed APIs in Golang and ported existing APIs in RoR to Golang resulting in 50 times faster mean execution time, 20 times lesser mean memory usage and 30 times lesser mean CPU utilization for a typical API. [[News Article](#)] [[Tweet](#)]
- Developed the authentication-authorization service from scratch used to authorize and authenticate access to APIs.
- Implemented a log stream using Kafka.
- Helped in the Deployment of the entire API suite and the authentication engine as micro-services on Elastic Bean Stalk by AWS.

SAMSUNG R&D INSTITUTE BANGALORE | SENIOR SOFTWARE ENGINEER

Jul 2021 - Dec 2021 | Bangalore, India

- Part of the CMOS Image sensor team, worked on the HDR modules of camera sensors to be used in Samsung's flagship devices. [[Experience Certificate](#)]

SAMSUNG R&D INSTITUTE BANGALORE | SOFTWARE ENGINEERING INTERN

Feb 2021 - Jun 2021 | Bangalore, India

- Five-month internship at SSIR with the Modem Solution Delivery team under the SLSI (System Large Scale Integration) department.
- Worked on optimizing(using NLP) the selection of test cases from a large corpus, consequently retaining high code coverage and reducing the testing time by ~50 percent. [[Certificate](#)]

CENTER FOR CLOUD COMPUTING AND BIG DATA | RESEARCH INTERN

May 2019 - Aug 2019 | PES University, Bangalore

- Worked on implementing an IoT cloud platform using OpenStack and its components with features like multi-cloud portability, scalability and security.

PROJECTS

EVENT DETECTION IN SOCIAL MEDIA STREAMS | RESEARCH

Aug 2020 - May 2021 | PES University, Bangalore

Identifying real-time events from tweets using a combination of word embeddings like word2vec and GloVe, and clustering algorithms like KMeans, Hierarchical and Incremental clustering. Tweets were obtained from Events2012 dataset. [[Report](#)]

RIDESHARE APPLICATION | COURSE PROJECT

Jan 2020 - May 2020 | PES University, Bangalore

Developed backend for cloud-based ride-sharing application. Created and managed workers using Dockers and Zookeeper. Handled the database consistency using RabbitMQ. Load balanced between micro-services and hosted on AWS EC2 instances. [[Report](#)]

AWARDS

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|-------------|--|---|
| 2017 - 2021 | Distinction Award for all semesters | PES University [Certificates] |
| 2020 | Finalist in Alcoding club's coding challenge | PES University [Certificate] |
| 2019 | 18th in CTF Hackathon by ISCFRCR club | PES University [Certificate] |