

Prasanth Thomas Shaji

Computing, Distributed Systems, Application Programming

I am experienced in distributed systems, application programming, computer architecture, embedded systems, and computational thinking. I enjoy programming on *nix systems

Education

Computer Science & Engineering fundamentals from NIT Calicut

Embedded Systems, Computer Architecture, Performance Engineering focus from Uppsala

August 2021 - June, 2023

Uppsala Universitet

Masters Programme in Computer Science

currently pursuing

Training Neural Networks in Embedded Devices

Masters Thesis @ Scania

Reverse engineering (Yocto/Buildroot) Linux environments in custom i.MX6 embedded boards

Benchmarking ANN training in C / C++ / Rust / PyTorch ..., on ARM boards and via QEMU

July 2013 - June 2017

NIT Calicut, India

Bachelor of Technology in Computer Science & Engineering

7.85

Secure Distributed Hash Tables

B-Tech Project

An implementation of a *distributed hash table* using **Raft** as the *consensus protocol* and utilising a cryptographic scheme to prevent *sybil attacks*

Experience

Developed & maintained ad-serving systems, Facebook (Meta Business Partner) SDK integrations

September 2018 - February 2020

Affle (acquired Vizury™)

Software Engineer Brand acquired by Affle Pvt Ltd. Maintained Vizury AdTech platform in a 4 person team, migrated the **Kafka** data-pipeline over to AWS, lead FB Ad Solutions




July 2017 - August 2018

Vizury

Software Engineer I Developed features for a *FinTech CDP* app, worked on migration efforts across *cloud service providers*, set up *DevOps CI/CD* setups, codebase migrations

I have some freelance experience developing on **GitLab**, **GCP**, and the **MERN** stack. I have several hobby projects in **Swift-iOS**, **Java-Android**. I like programming small 2D platformer games in **JS / WebGL** and writing small ray tracking programs in **C++** and **Rust**

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