

ATHUL S RAJ

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EDUCATION

TKM College of Engineering - University of Kerala

September 2011 - April 2015

Bachelor of Technology

Department of Computer Science & Engineering

CGPA: 7.6

PROJECTS

Street-hawk

A pet project to understand OBD and CAN bus in automobiles. A pluggable monitoring system was installed in place to read the physical parameters as an initial step. Further development needs to be done to make the vehicle an intelligent self-driver.

Atom

Atom was inspired from the idea that wrapper classes consume a lot more space compared to its primitive data-types. It is a utility to reduce space consumption and increase performance of wrapper classes, by storing them as bytes and converting them back to its wrapper before using them.

Influencer detection

Influencer detection using telecom data - an academic project to find out influencers in a given set of connected people, leveraging details about their mobile usage including call durations, number of messages and more.

Doorman

A minimal system to replace finger-print scanner with an IP camera to enable easy attendance entry, while walking in and out of the office. This system could be connected to the HR tool through a secure webhook.

AREA OF INTEREST

- Federated learning
- Big-data & Machine learning
- Privacy & Data security
- Software Engineering
- IoT & connected devices
- Data structures & Algorithms

WORK EXPERIENCE

Shopalyst Technologies, Trivandrum

Software Engineer III

December 2019 - Present

'Everything about customers' is what I handle at Shopalyst. A wide range of activities including product development, data analysis, high-level support, road-map building to business development, client on-boarding and more are there in my KPI list.

Flytxt Mobile Solutions, Trivandrum

Senior Software Engineer - Innovations R&D

January 2018 - December 2019

Explorations and PoCs on latest technologies to make the product future-proof. Taking the product to cloud, enriching the user experience, making the application voice-driven are to name a few.

Senior Software Engineer - R&D

April 2017 - December 2017

Led the developments of Flytxt's external monetization tool, Madmart - a mobile advertising platform leveraging big-data for intelligent targeting

Software Engineer - Engineering

July 2015 - March 2017

Involvement in product development which involved on-the-fly learning of multiple technologies. Active contribution to the road-map planning and execution. Frequent collaboration with multiple teams

ACHIEVEMENTS

- Best new-joiner at Flytxt Mobile Solutions, 2015-2016
- Collaboration award from Flytxt Mobile Solutions, 2018-2019

EXTRA-CURRICULAR

- Co-Founded TKM Photography Club - an independent club for the aspiring photographers of TKM College of Engineering, Kollam
- Co-Organized IWIF(www.iwif.in) - a national event connecting photography and philanthropy. It was mentioned in the Limca Book of Records
- Tutored kids of Balika Bhavan, Kollam, as part of a philanthropic project led by STEPS, TKMCE
- Lead the CSR activities at Flytxt Mobile Solutions, Trivandrum during 2016-2018
- Open-source contribution to coronafree.in, a crowd-sourced guide to staying safe in Coronavirus disease outbreak