RAJ KUMAR

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in LinkedIn   🐙 Github Profile

Experience

Mavenir Systems
Manyata Embassey Business Park, Nagavara, Bangalore.
Member of Technical Staff-1,
July-2019 - Jan 2021

IMPLEMENTED AMF CONNECTION FALLBACK IN 5G TECHNOLOGY
Dec 2020
Implemented fallback mechanism to handle AMF (Access and Mobility Management Function) failure :

- Primary fallback : Look for secondary AMF instance in current context, if free, establish a connection.

- Secondary fallback : If no primary AMF found, look for any free AMF instance in NRF.

- If no AMF found, terminate and re-establish a new connection.

CHARGING FUNCTION SELECTION MODULE
Jan 2021

- Designed and developed CHF selection algorithm

- CHF - Responsible for monitoring, reporting and charging the amount of data consumed by a user

- Each user session is mapped with a unique id to CHF.

- The algorithm depends on various parameters from session and other services like UPF(user plane function), PCF(policy control function) and NRF

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Education

B.E.(CSE)
MVJ College of Engineering, Bangalore
2015-2019

Schooling(10th & 12th)
Krishnanand Memorial Academy, Bihar

Interests

Cricket, Cooking, Cyber Security.

Tech Skills

Programming Language: Python, JavaScript, C++, java.

Backend development: NodeJs, ExpressJS, REST API, Django

Data Processing and Storage: MongoDB

Frontend development: HTML/CSS, JavaScript, ReactJS.

Micro Projects

mindYourFood
Jan 2021
A web application which allows users to track daily calorie intake and notify when the daily limit is breached. Used jade, ExpressJS, NodeJS and MongoDB.
[GitHub link]

E-Commerce
Nov 2020
An e-commerce web application that allows searching, product filtering, tracks time spent on a product by a user. It also stores the last 10 searches.
[GitHub link]

Social media app
Jan 2020
A social media site for users where the users can create/edit/delete a post, post a comment, like/unlike a post, visit a user's profile and follow/unfollow a user. The project was powered by ReactJS, nodeJS, expressJS and mongodb.
[GitHub link]

Personal Portfolio
Nov 2020
A web based static resume of myself using HTML and CSS.
[GitHub link]

Courses

Data structures and Algorithms, Object Oriented Design, System Design, Web Security, Computer Networks, OS.