

Sherin Ann Thomas

Software Engineer

Backend developer with 10+ months of experience, always looking to learn new things and solve real-world problems.

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WORK EXPERIENCE

Backend Developer

Paytm Smart Retail (then Weavedin)

06/2018 – Present

Achievements/Tasks

- Improved the performance of Item pagination and Inventory snapshot by 100% by optimizing database queries.
- Implemented report download service that switches to asynchronous email mode based on the size of the report.
- Implemented client onboarding API and Search stores/owners by phone number API.
- Integrated GST(Goods and Services Tax) filing for customers.
- Generated timely reports on client statistics, uploaded them to aws s3.
- Generated sales invoice pdfs for customers.
- Implemented feature to keep track of change in inventory and auditing based on batch and expiry date
- Implemented zipcode API to determine taxes based on location.
- Automated tests using Robot framework.

Remote Intern, Artificial Intelligence

Tata Consultancy Services

02/2018 – 05/2018

Achievements/Tasks

- Trained several datasets on different classification and clustering algorithms like regression, decision trees, k nearest neighbour, k-means, naive bayes.

EDUCATION

BTech in Computer Science and Engineering

Rajiv Gandhi Institute of Technology Kerala

08/2014 – 06/2018

7.94/10.0

SKILLS

Python

C++

C

Flask

Django

MySQL

Git

Unix

Machine Learning models

Web Development

PROJECTS

Adaptive Scheduling in FreeRTOS

- Implemented adaptive scheduling in FreeRTOS using Ant Colony Optimization in C and studied the improvement in performance.

Movie Recommendation Engine

- A content based recommendation engine that uses machine learning algorithms to give you personalised movie recommendation based on your previous ratings of different movies. Tech : Python, MySQL and Angular

PUBLICATION

Intelligent Adaptive Scheduling for Operating Systems

Created an adaptive scheduling algorithm based on Ant Colony Optimisation for operating system process scheduling. It was implemented on FreeRTOS and empirically measured the performance. DOI: 10.1109/ICCONS.2018.8662927), Conference: 2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS).

EXTRA CURRICULAR

Co-founder and Secretary of BUILD, programming club of Computer Science department, RIT

Technical coordinator for RITU18, National level Techfest of RIT