

PADUMATI SAIKIRAN REDDY

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Portfolio

in linkedin

github

EXPERIENCE

Software Engineer

Udaan

August 2022 - Present Bengaluru, India

- Worked on the vendor management system which manages vendors, vehicle fleet and transport costs etc using **React** for the frontend console and **Dropwizard microservice** written in **Kotlin** for the backend.
- Implemented mixpanel tracking for android applications and improved 3-way telephonic interactions which caused impact of reducing **RTO** (Return to Origin) by **15%**.
- Designed and implemented new workflow for vendor payment approval systems. Implemented **CronJobs** in **Kubernetes** for running services which gives timely alerts and triggers payment approval flow transitions using **Redis**.
- Implemented new workflow which enables bulk updates to vendor payments.
- Implemented new enhancements to trip management systems.

Software Engineering Intern

Udaan

Certificate

January 2022 - July 2022 Bengaluru, India

- Implemented persistent background worker for auto-refreshing crucial data in an Android application.
- Implemented and Improved the 3-way telephony interactions using **Kotlin** Server and **Native Android** application.
- Developed new APIs and refactored legacy code in **Kotlin** Backend for internal **microservices**. Worked with **Redis** Cache and addressed Production Bugs and Improvements using **Azure** Services.
- Designed and Implemented new UI Features in **React** Web and **Native Android** applications.

Opensource | Maintainer

Canvasbird

- Actively maintaining Project Canvasboard, an interactive board with plugins focusing on replacing the need of multiple platforms for teaching, presenting or explaining your ideas.
- Mentored for the Organization in **Kharagpur Winter of Code 2020** and **Winter of Code 2020**.
- Angular, Bootstrap, JQuery, Nodejs, MongoDB**

EDUCATION

Masters in Technology

GPA:3.41/4

International Institute of Information Technology, Bangalore

August 2017 - July 2022

- MTech and BTech degree in Computer Science.
- Specializations in AI ML and Theory and Systems for Computing and Data.
- Cumulative GPA: 3.41 / 4.00

SKILLS

Software Application Development Web Development
Android Development Algorithms DevOps Linux
Git Python C/C++ Java JavaScript Kotlin
MySQL MongoDB Flutter Docker React Flask

PUBLICATION

Conference Proceedings

- Reddy, Padumati Saikiran et al. (July 2022). "Performance Study of Kubernetes Cluster Deployed on Openstack, VMs and BareMetal". In: *2022 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)*, pp. 1-5. DOI: [10.1109/CONECCT55679.2022.9865718](https://doi.org/10.1109/CONECCT55679.2022.9865718).

PROJECTS

Big data visualization Tools | Elective

Prof. Jaya Sreevalsan Nair January - April 2021

- This is an Elective Project where various Big Data Visualization frameworks have been implemented, analyzed, and compared. The frameworks which were implemented are ArcGIS, kepler.gl, QGIS, and Apache Spark. The Visualizations were done on BigQuery Public Dataset Catalonia cell coverage Dataset.
- Apache Spark, ArcGIS, QGIS, kepler.gl, React.js, Vue.js**

VEnEx | Hackathon

Venex SIH 2020 MIXORG July 2020

- This is a software application developed for the finals of the **Smart India Hackathon 2020** for **MIXORG**. It uses Object-Based Detection to recognize license plates and send the activity to the Vue Application. My contribution to this project was the complete development of the Main Application client and Model integration.
- Vue.js, Flask, YOLOv4, Tensorflow, Python, Socket.io**

Airline Management System

Prof. Chandrashekar Ramanathan November 2019

- This is a Hibernate Java Database Application which handles transactions between management and customers of the airline through the SWT GUI and MySQL database.
- Java, MySQL, Hibernate, SWT**

Mosip | Android Application

Prof. Thangaraju B Mosip January - June 2020

- This is a Native Android Application developed for **Mosip**. My Contribution to this project was the UI development and integration of Dlib Library and the QR code decoder.
- Android, dlib-android, zxing**

ADDITIONAL EXPERIENCE

- Smart Indian Hackathon 2020**, Finalist.(Software Edition).
- Core Committee Member of the Internet Committee of IIITB.
- Winner of Cyber Security and Forensics Competition held by IIITB.