

SANJIVY KUMARAVEL

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EDUCATION

Bachelor of Technology (Information Technology)

2018 - 2022

Pondicherry Engineering College, Puducherry

CGPA : 8.40/10

EXPERIENCE

Software Engineer at Striim, Chennai

July 2022 - Present

Striim is a distributed data integration and intelligence platform that also offers a cloud-based fully managed SaaS platform on all three CSPs (GCP, Azure, AWS). In my role, I contributed to the feature project that involved integrating Azure private link with Striim SaaS platform. Additionally, I provided assistance to the team by extending their internal release management tool and writing fault-tolerance API workflows using Uber Cadence, Golang (gin framework) for both Azure and GCP. I also worked on other minor bug fixes.

Software Engineer Intern at Striim, Chennai

January 2022 - July 2022

Have been part of the SaaS team. Worked on a microservice-based architecture related to backend automation in GoLang, Cypress & some manual UI testing and implemented the design to upload the test results as a report to Jira's X-Ray.

Python Instructor at Ocean Academy, Puducherry

October 2021 - May 2022

As a Python Instructor, I taught students the fundamentals of Python programming language along with its web-framework Flask. Through my guidance, students gained a strong understanding of the language and were able to develop practical skills for real-world applications.

MLOps Intern at Yuvabe, Puducherry

June 2021 - September 2021

Helped the team in writing FastAPI wrappers for their existing ML model scripts and deployed them in Google Cloud Run, also made a front-end in ReactJs for displaying the inferences.

Software Developer Intern at Ilahi Technologies, Puducherry

December 2020 - April 2021

I was responsible for developing Android and web apps using Flutter for client projects. During my tenure, I worked on three Android apps and a web app for admin panel. Through my work, I gained valuable experience in app development and honed my skills in Flutter and Firebase. My contributions helped Ilahi Technologies to deliver high-quality solutions to their clients.

SKILLS

Python, Flutter, Go, L^AT_EX, Flask, FastAPI, Git, REST API, Firebase, GCP, Azure, AWS.

PROJECTS

Driver Drowsiness Detection System

For my final-year project, I contributed to the development of an Android application and curated datasets for the model. By extracting images from driver videos, we successfully constructed a robust system to detect driver drowsiness. Our implementation employed the Flutter framework for the application's user interface and utilized Python for the backend logic. Our project has successfully created a tool to help prevent accidents caused by driver fatigue.

Technologies used: Python (FastAPI)

PyCare API

I spearheaded the development of the Pudhuvai Care app and its corresponding REST API for the Puducherry Health Government. Leveraging Flutter for the app's user interface and Python's FastAPI framework for the backend, the deployed application on Heroku now offers an efficient solution for monitoring hospital details in Pondicherry.

Technologies used: Flutter, Python (FastAPI), Heroku, Web Scraping Techniques

Android Applications

I have created several Android applications, some of which have garnered over 500+ downloads on the Google Play Store.

- **Movie Style Fonts**

This Android and web application enables users to generate movie poster font styles with their own text.

Technologies used: Flutter, HTML, CSS, JavaScript (P5.js library)

- **PTU CGPA Tracker**

The PTU CGPA Tracker app simplifies the calculation of CGPA for PTU students based on their semester results. With an intuitive design, students can enter their grades while the app handles the calculations using stored credit scores for each subject. This app, utilized by numerous students, has been designed to enhance user experience.

Technologies used: Flutter, Firebase, Figma (UI/UX)

- **Repostaffs**

Repostaffs is a mobile application designed to monitor the daily contributions of staff members in a specific hair salon. Developed as a freelance project for the Toni and Guy salon in Pondicherry, the application features two portals: one for staff members and another for admin. Staff members can update their consultation/work status, mark attendance via QR codes, while the admin can manage staff, generate reports, and oversee salon operations.

Technologies used: Flutter, Firebase, Excel

Canteen Management System

I developed a web-based administration application for Brewery company administrators and an Android app for canteen operations. Created as a freelance project for a government-assisted Brewery company in Lao, the Android app is utilized on POS machines for functions such as order placement, inventory management, revenue tracking, and employee/user management. The web admin application empowers administrators to oversee multiple canteens, manage user access, generate reports, and access revenue dashboards. This project, from architectural design to building the Firebase Firestore backend and deploying the application on Hostinger's VPC, was a complex real-time use case that spanned approximately 6 months.

Technologies used: Flutter, Python (FastAPI), MySQL, Hostinger

ACCOMPLISHMENTS

Website design

Awarded 1st prize in online 24hrs web designing challenge conducted by Kalasalingam Academy of Research and Education.

Android app development

Awarded 3rd prize in National Level Android app development contest conducted by Saveetha Engineering College.

Code-a-thon

Awarded 2nd prize in Inter-college Technical Symposium conducted by department of CSE, Pondicherry Engineering College.

Code-a-thon

Awarded 3rd prize in Inter-college Technical Symposium conducted by department of CSE, Pondicherry Engineering College.

LINKS

Github, Portofolio, Play Store, Hackerrank, Instagram.

LANGUAGES

Tamil, English.

PERSONAL SKILLS

Problem solver, Interactive person, Leader, Instructor, Team player, Creative thinker, Self-motivated.