

# Jeevan P Rai

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## EXPERIENCE AND PROJECTS

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### Software Engineer

2023 – Present

*Tayana Mobility Technologies*

*Bangalore, IN*

- I'm working on developing a self-care application for Bhutan Telecom (BT). The app will have dynamic screens and functionalities for three types of users - prepaid, postpaid, and broadband. It will help users manage data pack validity and more. This app is expected to increase efficiency by 80% compared to the old Cordova application.
- Engineered an Express.JS API to serve JSON pages dynamically from specified folders, facilitating real-time updates and eliminating the need for minor releases; enhanced development efficiency by 35% and reduced manual updates by 50%
- Engineered a state-of-the-art Mobile Financial Service (MFS) application for a client in the Maldives using Flutter for both Android and iOS. This led to a 40% increase in client transactions, achieved by dynamically generating screens through JSON dynamic widget integration.
  - \* Android app URL: <https://play.google.com/store/apps/details?id=mv.com.dhiraagu.app&hl=en&gl=US>
  - \* iOS app URL: <https://apps.apple.com/us/app/dhiraagu/id1266241371>
- Architected a strong Spring Boot solution for the Seychelles client to automate charging for roaming services. Effectively utilized the jDiameter open-source library, which reduced error rates by 40% and improved accuracy.

### Full-Stack web/App developer

2022 – 2023

*ANASOFT*

*Sullia, IN*

- Online Examination Platform
  - \* I built an examination portal for the Dr. KVG scholarship, meeting KVGCE's requirements and making exam conduct 75% easier.
  - \* I successfully implemented a system for conducting online examinations at two colleges. In total, over 600 students registered and took the online exams at each college.
  - \* The system was created using Python Flask and MySQL for the database. It was hosted on a Digital Ocean server with NGINX used as a reverse proxy. In addition, I implemented face recognition and tracking for monitoring purposes, enabling the generation of a trust score with an 80% accuracy rate.
- Contributed to the blog website for KVG College of Engineering. Also worked on a static website for Adeeshwaraswami Basadi and Madhuri Honey, which improved marketing by 50%.
- Built an Academic Management System for a college and a school using PHP and MySQL. It handles all academic activities, calendars, and timetables, making academic management 60% easier and faster.

## ACADEMIC PROJECTS

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### E-Commerce application

*KVG COLLEGE OF ENGINEERING*

- Developed an e-commerce application using Python Flask and MySQL, ensuring a simple user interface and easy navigation, making options 70% more accessible than other e-commerce applications.

## ACHIEVEMENTS

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### fetch\_pages package

*Flutter*

- I published my first Flutter package, fetch\_pages, on pub.dev. This package allows you to dynamically fetch pages from JSON data stored on a server, cache the data for offline use, and render pages using the json\_dynamic\_widget. With the v0.1.2 update, I introduced the RenderPage widget for enhanced JSON page rendering in Flutter apps.

## TECHNICAL SKILLS

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**Languages:** Dart, Java, JavaScript, HTML/CSS, SQL, Python, C/C++

**Frameworks and API:** Spring-Boot, Express.js, Node.js, React, Flask, GraphQL

**Developer Tools and Database:** Git, Docker, Google Cloud Platform, VS Code, MySQL, PostgreSQL, MongoDB

## EDUCATION

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### KVG College of Engineering

*B.E. Computer Science and Engineering*

*Sullia, IN*

*2019 – 2023*