

# RAM KOIRALA

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## PROFILE

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Dedicated App Developer with expertise in flutter, proficient in creating cross-platform mobile applications that blend functionality with an elegant user experience. Constantly learning and adapting to emerging technologies to deliver cutting-edge solution.

## EDUCATION

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**Kathmandu University, Dhulikhel** 2019-Present

Bachelor in Computer Engineering

**Kavre Secondary School , Banepa** 2017 - 2019

Intermediate in Science

## SKILLS

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- Flutter
- React Js
- Python
- C\C++
- Database (MySQL, PostgreSQL)
- Python Flask Framework
- HTML\CSS
- Microsoft Office (Excel, Word, PowerPoint)

## PROJECTS

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### Survey App

A survey app designed for the Dhulikhel Municipality to collect the data about the youth residing in Dhulikhel Municipality build with flutter and django rest framework.

- Solely handled frontend development using Flutter framework.
- Implemented navigation and GetX state management within the app for seamless user experience.
- Utilized different API calls to communicate with backend services and retrieve survey questions and responses.

### Quiz Application

A quiz application made for the preparation of EPS-TOPIK examination made with flutter and django rest framework.

- Developed the frontend of the EPS-TOPIK quiz application using Flutter framework.
- Utilized GetX state management for efficient state handling and data flow.
- Integrated APIs to fetch quiz questions and relevant data and send the users response back to the server.

## **Student Management System**

A Webapp made with React Js and django to manage all the necessary resources of the student, teachers or any educational institutes.

- Created the frontend user interface using React.js, ensuring a responsive and intuitive design.
- Employed debugging tools and techniques to identify and resolve UI inconsistencies and functional errors promptly.

## **Financial Calculator**

An financial calculator application developed using Flutter, designed to compute various financial equations such as BC ratio, income tax, EMI, depreciation, payback period, and more. Additionally, it features visualization capabilities through graphs.

- Designed the overall layout and user interface of the home screen, ensuring intuitive navigation and user experience.
- Collaborated with the team to integrate graph visualization features, enhancing the app's functionality and usability.
- Implemented several financial calculator within the app and also integrated the graph visualization feature.

## **Regex Generator**

A Python library designed to make the generation of complex regex in human readable format.

- Crafted an extensive range of test cases to comprehensively assess the functionality of the regex generator library, ensuring its robustness and reliability.

## **Algo Visualizer**

A website specially designed to visualize some sorting and path finding algorithms developed with the help of HTML/CSS and Javascript using WebGL graphics framework.

- Implemented interactive and visually engaging user interfaces to facilitate algorithm visualization.

## **LANGUAGES**

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**English** - Professional Fluency

**Nepali** - Native Fluency

**Hindi** - Conversant