

Hariom Kumar Rauniyar

Computer Engineer

Kathmandu, Nepal

Contact: +977-9845610390

Email: hariomkumarrauniyar@gmail.com

LinkedIn: <https://www.linkedin.com/in/hariom-rauniyar-22b145229/>

GitHub: <https://github.com/hr5232>

CAREER SUMMARY

Computer Engineering graduate with hands-on experience in building scalable and responsive mobile applications using Flutter and Dart. Skilled in REST API integration, state management (Provider), and clean architecture principles. Experienced in developing reusable widgets, handling JSON data, and implementing authentication flows.

Passionate about writing clean, maintainable code and continuously improving technical expertise to deliver high-quality mobile solutions. Strong problem-solving skills, quick learner, and eager to contribute to real-world software projects.

TECHNICAL PROFICIENCY

Languages: Dart, Python, JavaScript, C, C++

Backend & Database: Firebase, Firestore

Mobile: Flutter

Web: HTML, CSS

AI/ML: TensorFlow, CNN, Machine Learning Basics

Tools: GitHub, Google Colab

Concepts: OOP, State Management, REST APIs

EXPERIENCE

Newrun Technology Pvt. Ltd., Kathmandu, Nepal – *Junior Flutter Developer*

January 2026 – Present

Major Technologies: Flutter, Dart, REST APIs, Provider/BLoC, Firebase, Git

- Developing and maintaining scalable Flutter applications with clean architecture
- Implementing state management for dynamic UI updates
- Integrating RESTful APIs and handling authentication flows
- Fixing bugs and improving app performance based on testing feedback

- Participating in code reviews and maintaining clean coding standards
- Collaborating with cross-functional teams in agile development environment

HamroMaster (Online Platform) - Instructor (C Programming & Computational Subjects)

February 2026 – Present

Key Responsibilities & Achievements:

- Teaching C Programming and advanced computational subjects to BSc 3rd and 4th year students through online sessions
- Delivering concept-focused lectures on topics such as data structures, algorithms, memory management, and problem-solving techniques
- Guiding students in writing efficient, clean, and optimized C programs with practical examples
- Assisting students with academic coursework, assignments, and exam preparation
- Conducting interactive coding sessions and doubt-solving classes to strengthen programming fundamentals
- Mentoring students to improve logical thinking and debugging skills
- Preparing structured learning materials, notes, and practice problems for better understanding

Goodwish Engineering Pvt. Ltd., Kathmandu, Nepal - Flutter Developer (Intern)

August 2025 - November 2025

Major Technologies: Flutter & Dart, REST API Integration, Provider (State Management), Git & GitHub

- Developed and maintained Flutter mobile applications using reusable widgets and clean architecture
- Integrated REST APIs for data fetching, authentication, and backend communication
- Implemented Provider-based state management to ensure scalable, maintainable, and reactive UI updates
- Worked with JSON parsing and model classes to efficiently handle API responses
- Implemented form validation, error handling, and loading states to improve user experience
- Collaborated with team members to debug issues, improve app performance, and follow best coding practices

PROJECTS

Smart Health – Blockchain-based eHealthcare System (Flutter)

- Developed a Flutter-based healthcare application for appointment booking, medicine reminders, and secure medical report uploads
- Implemented voice-based authentication and data security using AES encryption
- Integrated decentralized storage concepts using IPFS and blockchain (Solana) for secure health data handling

Tech : Flutter (Dart), AES Encryption, IPFS, Blockchain (Solana)

Brain Tumor Classification System (AI/ML)

- Built a web-based system to classify brain tumor types from MRI images
- Trained and evaluated a CNN model using TensorFlow for medical image classification
- Achieved accurate tumor detection through preprocessing and model optimization

Tech : Python, TensorFlow, CNN, AI/ML

Video Calling Mobile Application

- Developed a real-time video calling application using Flutter
- Integrated Agora SDK for low-latency audio and video communication
- Implemented user-friendly UI and handled real-time call state management

Tech : Flutter (Dart), Agora SDK

Medicine Reminder Application

- Created a Flutter mobile application to send timely medicine reminders
- Implemented local notifications to ensure users never miss scheduled medications
- Designed a simple and clean user interface for better usability

Tech : Flutter (Dart), Local Notifications

Maze Game – Computer Graphics Project

- Developed a 2D maze game using C programming
- Implemented core computer graphics concepts including transformations and animations
- Demonstrated understanding of basic game logic and rendering techniques

Tech : C, Computer Graphics

EDUCATION

Advanced College of Engineering and Management, Tribhuvan University, Kathmandu

- *Bachelor in Computer Engineering*

OCT 2020 - APR 2025

Major Subjects: Computer Programming, Object-Oriented Programming with C++, Discrete Structure, Software Engineering, Artificial Intelligence, etc.

National Infotech, Birgunj

+2 Science

2018 – 2020

SOFT SKILLS

- Problem-solving
- Teamwork
- Communication
- Adaptability
- Time Management

REFERENCES: Available on request