

# KSHITIJ GURUNG

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## FLUTTER DEVELOPER

Flutter Developer with 4 years of experience building cross-platform applications for iOS and Android. Delivered multiple successful products featuring payment processing, inventory and stock management, dynamic calendars with horoscope content, and school management dashboards. Proficient in Dart, Kotlin, and Swift, with a strong track record of reducing production bugs through optimized CI/CD pipelines.

- State Management • Object Oriented Programming • Data Structures and Collections • Dependency Injection
- API Integration • Debugging • Version Control • CI/CD pipelines

**Languages:** Dart, Java, Swift, Kotlin

**Web Services:** REST API, WebSockets, JWT, OAuth 2.0

**Frameworks:** Flutter

**Databases:** MySQL, SQL Lite,

**Design Patterns:** Singleton, Factory, BLoC, Clean Architecture

**SDLC:** Agile, Scrum

**Tools:** Git, JIRA, ClickUp, Git/Github, Github Action, Codemagic, Shorebird, HIVE, VS Code

**Platforms:** Windows, Linux, Mac

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

## PROFESSIONAL EXPERIENCE

### BLACK TECH, Pokhara, Nepal • 03/2022 – 04/2025

Black Tech provides services in App Development, Web Development, Branding, and Designing.

#### Software Developer

Led end-to-end mobile development for multiple production apps (Restaurant Management, Construction, Calendar), overseeing feature implementation and ensuring delivery under Agile/Scrum methodologies.

- Engineered critical, performance-optimized modules (Checkout, Inventory, Stock) using BLoC for a high-traffic app, resulting in a documented 30% reduction in app load time.
- Architecturally refactored a core production application by migrating the state management layer from GetX to BLoC/Clean Architecture, significantly improving system scalability and testability.
- Implemented and maintained mobile CI/CD pipelines (GitHub Actions, Codemagic), automating build, test, and deployment to optimize release cycles.
- Designed and implemented a dynamic calendar feature with daily horoscopes and zodiac readings in a Nepali Calendar App, leveraging REST APIs for real-time updates.
- Designed and secured a role-based management system for a Construction App, ensuring data tracking accuracy and secure access by leveraging JWT/OAuth 2.0 principles.

**Technologies Used:** Flutter, Dart, BLoC, REST API, Firebase, Git, GetX, Github Action, Codemagic, Shorebird.

### CLOUDHUB NEPAL, Pokhara, Nepal • 01/2021 – 03/2022

An IT company that provides Website hosting, Software development, Graphics Design, and Digital Marketing.

#### Software Developer

Engineered mobile app solutions by building student dashboards in a School Management App and payment modules in a Grocery E-commerce App.

- Implemented student dashboard features in a School Management Android App using Java, XML, and RESTful APIs, displaying class schedules, results, and activities per student, improving information accessibility and app usability.
- Developed payment processing modules for a Grocery E-commerce Flutter App using Flutter, Dart, and GetX, integrating secure payment APIs and improving checkout reliability and user experience.
- Integrated RESTful APIs and optimized app performance using Flutter DevTools, reducing load time and improving responsiveness for end-users.

- Collaborated with cross-functional teams using Git and project management tools, ensuring timely feature delivery and alignment with client requirements.

**Technologies Used:** JAVA, Retrofit, Flutter, GetX, REST API.

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## INTERNSHIP EXPERIENCE

### Cloudbhub Nepal, Pokhara, Nepal • 10/2020 – 01/2021

An IT company that provides Website hosting, Software development, Graphics Design, and Digital Marketing.

#### Software Developer Intern

Contributed to mobile application development projects as part of the engineering team, gaining hands-on experience in Android.

- Assisted in developing Android application modules using Java and XML, improving UI components and fixing minor bugs.
- Collaborated with mentors via Git and Trello, learning Agile workflows and team development practices.

**Technologies Used:** JAVA, Retrofit, REST API.

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## ACADEMIC PROJECTS

### Maharishi International University (2025)

**iBook:** This project is an appointment scheduling app for individual service providers offering a simple, self-managed, cloud-based system. Utilized Dart, Flutter, Amazon AWS, MongoDB, and OpenAI.

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## PERSONAL PROJECTS

**iFix 2025:** This project is a digital automotive diagnostic solution (device plus app) that can detect and clear error codes on user's car using their smartphone. Utilized Dart, Kotlin, Swift, Firebase, OpenAI.

**iBook 2025:** This project is an appointment scheduling app for individual service providers offering a simple, self-managed, cloud-based system. Utilized Dart, Flutter, Amazon AWS, MongoDB, and OpenAI.

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## EDUCATION

### Master of Science in Computer Science

*(In progress via distance education; expected completion 12/2027)*

Maharishi International University, Fairfield, Iowa

**Key Courses:** Software Engineering, Algorithm, Web Programming, Modern Web Applications

### Bachelor of Science (Hons) in Computing

Informatics College Pokhara, Nepal (12/2021)