

# Keshab Aryal

## Mobile Application Developer

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As a skilled Mobile Application Developer with over 3 years of experience, I specialize in designing and delivering innovative mobile solutions. Proficient in Flutter, Dart, and state management techniques like GetX, Riverpod, and BLoC, I excel at creating seamless, user-friendly applications.

My expertise includes IoT projects and MicroPython coding, enabling real-time data monitoring and device automation. With a strong foundation in Agile methodologies, REST APIs, and cloud hosting solutions like AWS and Azure, I deliver high-quality, scalable applications.

Passionate about learning and growth, I thrive in collaborative environments and aim to make a meaningful impact through technology.

## EXPERIENCE

### Mobile App Developer

Pokhara

*Nipuna Prabhidik Sewa*

Dec, 2021 - Dec, 2023

- Spearheaded the design and development of innovative mobile applications using Flutter and Dart, enhancing user engagement and functionality.
- Collaborated with cross-functional teams to define, design, and launch impactful new features, streamlining workflows and improving user satisfaction.
- Utilized Agile development methodologies, ensuring the timely delivery of high-quality products within budget constraints.
- Engineered and maintained robust REST APIs, enabling seamless data exchange between mobile applications and backend systems.
- Conducted comprehensive code reviews, mentoring junior developers to elevate team productivity and maintain coding standards.
- Leveraged MVC, Clean Architecture, and MVVM design patterns alongside advanced state management techniques, including GetX, Provider, and Riverpod, to develop scalable and maintainable applications.

### Freelance Mobile App Developer

Pokhara

*Thpolo Tech*

Aug, 2023 - Jan, 2024

- Worked on cutting-edge Android and Flutter applications, combining technical expertise with creativity to build solutions that users love.
- Focused on crafting user-friendly, intuitive apps by blending native Android development with Flutter's cross-platform capabilities.
- Delivered apps that perform seamlessly and efficiently, making a tangible impact on user engagement and business goals.
- Collaborated with diverse teams to ensure features were thoughtfully integrated and aligned with project needs.
- Troubleshoot and resolved technical challenges quickly, keeping the apps reliable and users happy.

### Freelance Mobile App Developer

Pokhara

*Yes Helping Hands IT Solutions*

Aug, 2023 - Dec, 2023

- Built and launched the Yes Helping Hands E-commerce app for seamless online shopping.
- Designed and implemented secure payment systems to enhance transaction safety.
- Collaborated with teams to align app features with user needs and business goals.
- Delivered updates and maintenance to improve performance and user satisfaction.
- Built and launched the Yes Helping Hands E-commerce app for browsing and purchasing products online.
- Created a user-friendly design ensuring seamless navigation and accessibility.

### Freelance Mobile App Developer

Kathmandu

*Beehive Technologies*

Apr, 2024 - Present

- Developed, released, and maintained the Mobile Garage app, enabling users across Nepal to call mechanics anytime and anywhere.
- Integrated Google Maps and navigation features to track mechanics, calculate distances, and estimate service costs.

- Designed a seamless user experience, ensuring easy access to reliable mechanics through an intuitive interface.
- Worked on optimizing app performance to handle real-time location tracking and calculations effectively.
- Collaborated with the backend team to ensure smooth data synchronization and provide accurate cost estimations for users.

## Freelance Mobile App Developer

Kathmandu

Zen IT Hub

May, 2024 - Present

- Played a key role in the release and maintenance of the EMediware app, a comprehensive platform for managing doctor appointments and medicine inventories
- Ensured smooth deployment cycles and implemented critical updates to enhance app performance and reliability.
- Worked closely with stakeholders to identify and resolve bugs, ensuring a seamless user experience.
- Optimized backend integrations to improve data synchronization between the app and healthcare providers' systems.
- Utilized Flutter and Dart to implement new features, focusing on scalability and user-centric design principles.
- Conducted monthly performance assessments and applied improvements to maintain app efficiency and user satisfaction.

## Mobile App Developer

South Korea

Korea Institute of Engineering and Technology

Jan, 2024 - Present

- Actively involved in the development and maintenance of innovative mobile applications.
- Delivered high-quality code and intuitive user experiences through collaborative teamwork and proactive problem-solving.
- Contributed to the entire app development lifecycle, including conceptualization, design, implementation, testing, and deployment.
- Played a pivotal role in driving the company's mobile app projects forward, exceeding expectations, and enhancing user engagement.
- Developed IoT functionality using ET-Board and MicroPython for seamless connectivity and application integration.
- Successfully overcame challenges of remote work and language barriers to ensure smooth project execution.

## EDUCATION

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### BSC.CSIT

Pokhara

Prithvi Narayan Campus

Oct, 2018 - Aug, 2023

- Bachelor of Science in Computer Science and Information Technology (BSC.CSIT) from Prithvi Narayan Campus, Pokhara.
- Gained comprehensive knowledge in computer science, information systems, and emerging technologies.
- Proficient in programming languages, including C, Java, Python, and more.
- Strong foundation in computer systems, data management, networking, and cybersecurity.
- Hands-on experience in software development, system design, and problem-solving.
- Equipped with skills to adapt to modern technology trends and contribute effectively to diverse IT projects.

## PROJECTS

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### Nipuna Accounting

- Developed a mobile application for managing customer payments for monthly waste collection services.
- Integrated printing functionality using Sunmi devices for seamless invoice generation.
- Streamlined workflows for customer payment management, improving efficiency and user convenience.
- Enhanced user experience through intuitive design and robust functionality.

### Inventory App

- Developed an inventory management system mobile application integrated with OData and SOAP APIs for seamless data exchange.
- Enabled efficient tracking and management of inventory levels, stock movements, purchase orders (PO), transfer orders (TO), and shipments.
- Implemented barcode scanning functionality for streamlined operations and improved accuracy.
- Integrated with Microsoft Business Central to provide real-time inventory data and enhanced business insights.
- Optimized user interface for intuitive navigation and quick access to essential features.

### Brandhouse Ecommerce

- Designed and developed a mobile application enabling users to browse and purchase products or services online seamlessly.
- Integrated EMI (Equated Monthly Installments) options and secure payment gateways, including Visa card support, for flexible transactions.
- Enhanced user experience with a clean and intuitive interface for effortless product discovery and checkout processes.

- Implemented advanced features like order tracking and personalized recommendations to improve user engagement.
- Optimized performance for smooth and efficient operations across devices and platforms.

### **Cosmos Delivery App**

- Developed a delivery tracking mobile application for postal services, ensuring accurate and timely deliveries.
- Implemented Google Location API to track drivers and goods in real time, enhancing transparency and reliability.
- Ensured proper delivery by integrating mechanisms to prevent item replacement and verify delivery at the correct location.
- Optimized app performance for seamless real-time location tracking and low-latency operations.
- Designed an intuitive interface, making it user-friendly for both customers and delivery personnel.

### **E-mart**

- Developed a mobile application to streamline order management processes for small businesses.
- Designed a user-friendly interface for quick and efficient order capturing and processing.
- Enhanced operational efficiency by simplifying business workflows and reducing manual effort.

### **Yes Helping Hands**

- Developed an e-commerce mobile application enabling users to browse and purchase products or services seamlessly.
- Designed and implemented secure payment systems to ensure safe and reliable transactions.
- Provided ongoing updates and maintenance to improve app performance and user satisfaction.

### **Inself Application**

- Developed a mobile application to enhance on-site security for construction personnel through real-time alerts and access control.
- Integrated advanced authentication features and location tracking to ensure comprehensive safety measures in high-risk environments.
- Optimized user experience by tailoring security functionalities to meet the dynamic demands of construction sites.
- Streamlined operations with seamless integration of real-time notifications and monitoring tools.
- Ensured reliability and robustness in challenging environments by implementing advanced safety protocols.

### **IOT Apps**

- Smart Aqua: Developed an IoT application to automate and monitor fish tank management, ensuring optimal aquatic conditions.
- Smart Meal: Built an app to manage and automate feeding schedules for animals, enhancing convenience and accuracy.
- Smart Pot: Designed an application for automated watering systems in flowerpots, optimizing hydration schedules.
- Smart Light: Created a streetlight management app to control and monitor lighting systems efficiently.
- Smart Renewable: Implemented an IoT solution for managing and monitoring renewable energy sources effectively.
- ET Controller: Developed an application to control ET boards, enabling features like joystick operation, color bulb control, and general device communication.

### **E-Mediware App**

- Designed and developed a comprehensive platform for managing doctor appointments and medicine inventories.
- Optimized backend integrations for seamless data synchronization with healthcare providers' systems.
- Ensured smooth deployment cycles and implemented updates to enhance performance and reliability.
- Focused on scalability and user-centric design using Flutter and Dart.
- Conducted performance assessments and applied improvements to maintain app efficiency and user satisfaction.

### **Mobile Garage App**

- Developed and launched a mobile app enabling users to request mechanics anytime, anywhere in Nepal.
- Integrated Google Maps for real-time mechanic tracking, distance calculation, and service cost estimation.
- Designed an intuitive user interface to ensure seamless access to reliable mechanic services.
- Collaborated with backend teams for smooth data synchronization and accurate cost projections.
- Optimized app performance for real-time location tracking and efficient operation.

### **Conference Management System**

- Developed a mobile application for managing events and ticket sales, ensuring seamless event organization.
- Integrated a robust event scheduling system, allowing users to view event details and sessions.
- Designed an intuitive interface for easy ticket purchasing and management.
- Streamlined backend synchronization to manage ticket inventory and attendee data efficiently.
- Focused on user-friendly design and optimized performance for a smooth user experience across devices.

## ACHIEVEMENTS

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### Certified in Agile Project Management

- Achieved the Agile with Atlassian Jira certification, provided by Atlassian and offered through Coursera, demonstrating proficiency in Agile methodologies and efficient project management practices.

### Awarded financial grant from CRI

- Received a financial grant from the Centre for Research and Innovation (CRI) for developing an innovative Inventory Management App during the final semester of my Bachelor's degree.

### Hosted Prestigious Events with Conference Management App

- Successfully hosted RTSTI-2023 (Recent Trends in Science, Technology, and Innovation) at Prithvi Narayan Campus, Pokhara, streamlining event management and ticketing.
- Facilitated the Lions Club Annual General Meeting in Ghandruk, enhancing the event's organizational efficiency.
- Managed RTSTI-2024 at Forestry Campus, Pokhara, showcasing the app's scalability and reliability in large-scale events.

## SKILLS

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Mobile app design and development, State Management, atlassian jira, Android Native, C, JAVA, HTML, CSS, XML, swift programming language, Knowledge of Python and Django., Soap and Odata API, AWS and Azure Hosting, Backend Development (Node JS), Json and XML Api, Leadership skill, PHP/Laravel

## LANGUAGE

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Nepali, English, Hindi