

Sunil Parajuli

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● WORK EXPERIENCE

17/02/2026 - 20/02/2026 - BERLIN, GERMANY

PARTICIPATION IN BERLIN HACKATHON, SAP DATA SPACE DEUTSCHE GESELLSCHAFT FÜR INTERNATIONALE ZUSAMMENARBEIT (GIZ) GERMANY

OCR based automated supporting document verification for social protection services

The Social Protection Service integrates an automated document verification tool utilizing Optical Character Recognition (OCR) to support eligibility assessment and program integrity. The tool extracts relevant information from uploaded supporting documents and cross-checks it against data provided in application forms.

This capability enables systematic validation of documentary evidence, reducing manual verification effort and improving the accuracy and consistency of eligibility determinations. The use of OCR-based document verification contributes to:

1. Reduction in processing time and administrative burden
2. Enhanced detection of inconsistencies between declared information and supporting documents

<https://openimis.atlassian.net/wiki/spaces/OP/pages/4879515650/openIMIS+Hackathon+2026+-+Berlin+Germany>

02/12/2025 - 07/12/2025 - NAIROBI, KENYA

PARTICIPATION IN GDHF NAIROBI

- Main author : Poster presentation on "Driving Healthcare Transformation: openIMIS as a Catalyst for Interoperability, enabling Universal Health Coverage"
- Solution demonstration : From Claim to Care: A Global Goods Interoperability Model to Link CHW Feedback and health Financing Systems

14/11/2025 - CURRENT - KATHMANDU, NEPAL

SOLUTION ARCHITECT TINKER TECHNOLOGY / GIZ

Migration of Legacy openIMIS system to Modular architecture

2024 - CURRENT - KATHMANDU, NEPAL

PROJECT EXPERT FOR SANDBOX PROJECT CONTRACT GIZ

- Expertise in OpenIMIS Sandbox quality assurance and knowledge sharing at the global level
- Supported interoperability among various **Digital Public Goods (DPGs)**, **openCRVS, MOSIP, openG2P, openSPP, DHIS2**
- Worked effectively in fast-paced, dynamic environments

2024 - CURRENT - KATHMANDU, NEPAL

PROJECT EXPERT FOR TESTING AND KNOWLEDGE CREATION CONTRACT GIZ

- Expertise in OpenMIS testing, quality assurance, and knowledge sharing at the global level
- Maintains up-to-date knowledge of OpenMIS developments in social and health protection
- Presents OpenMIS knowledge materials at Bhela meetings to inform and educate stakeholders
- Supports and manages communication channels to promote OpenMIS to diverse audiences and stakeholders

10/2024 - 12/2024 - KATHMANDU, NEPAL

TEAM LEAD FOR INTEROPERABILITY FOR OPENCRRVS AND OPENMIS GIZ S2HSS WITH TINKER TECH

- Set up and configured **openHIM**, **openCRRVS**, and **openMIS** to achieve interoperability
- Implemented and utilized **Digital Convergence Initiative (DCI) APIs**, **FHIR**, and **openHIE** standards for seamless data exchange and integration

2024 - 2024 - KATHMANDU, NEPAL

TEAM LEAD AND OPENMIS EXPERT GIZ S2HSS WITH TINKER TECH

As a project expert maintain and help Health Insurance Team for migration of openMIS from Legacy to Modular

2023 - 2024

OPENMIS EXPERT - REQUIREMENT ANALYSIS FOR HEALTH INSURANCE FOR LAOS ASIA EHEALTH INFORMATION SYSTEM (AEHIN)

- Held detailed discussions with key stakeholders from the Ministry of Health, Lao PDR, to gather, clarify, and validate technical and functional requirements aligned with national health strategies.
- Collaborate with the Ministry of Health, WHO representatives, and technical teams to ensure shared understanding of the requirements.
- Participated in stakeholder workshops and requirement review sessions to adapt international digital health tools to the local context.
- Demonstrated and configured the **openMIS** health insurance management system, showcasing its potential to support digital claims processing, beneficiary management, and reporting needs.

2023 - CURRENT - KATHMANDU, NEPAL

SOCIAL SECURITY PROTECTION EXPERT INTERNATIONAL LABOR ORGANIZATION WITH TINKER TECH

Extensive experience customizing openMIS to facilitate social security schemes, including **Medical Claims, Non-Medical Claims, Formal Sector Registration, Sick Leave, Maternity Care, and Unemployment Benefits**

Supported **FHIR integration** between EHR systems and openMIS to enhance interoperability and data exchange

Developed and enhanced modules for **contributor registration, payment collection, account management, grievance handling, claims processing, investment, and loan management**

Leveraged technologies such as **Django framework, VB.NET, IIS, and ReactJS** to deliver tailored solutions for efficient social security operations

2023 - 2023 - CAMEROON

OPENMIS DEVELOPER MEET CONTRIBUTOR ATTENDEE GIZ

- Organized developer meet hosted by openMIS community (Germany) in Cameroon
- Implemented innovative solutions to address business challenges, driving improvements in overall operations
- Enhanced brand recognition through creative campaigns that resonated with target audiences
- Demonstrated strong **communication skills** by effectively engaging with diverse stakeholders, facilitating collaboration, and promoting knowledge sharing across teams and communities

2023 - CURRENT - KATHMANDU, NEPAL

HEALTH INSURANCE AND SOCIAL SECURITY EXPERT SOCIAL SECURITY FUND NEPAL WITH TINKER TECH

- Supported **FHIR integration** between EHR systems and openIMIS to enhance interoperability and data exchange.
- Customized openIMIS to improve social protection processes, including controlling duplicate claims and implementing schemes for critical illnesses
- Developed key modules for Social Security Fund covering **contributor registration, payment collection, account management, grievance handling, claims processing, investment, and loan management**
- Leveraged technologies such as **Django framework, VB.NET, IIS, and ReactJS** to deliver tailored solutions for efficient social security operations

2020 - CURRENT - KATHMANDU, NEPAL

TEAM LEAD TINKER TECHNOLOGY PVT. LTD.

- Supported **Health Insurance** and **Social Health Protection** initiatives for the Health Insurance Board, Nepal
- Facilitated the implementation and adoption of **openIMIS** to improve health insurance management and service delivery
- Coordinated communication efforts to **promote openIMIS** to stakeholders, partners, and other organizations
- Conducted training sessions and awareness programs to increase user engagement and system utilization
- Acted as a liaison between technical teams and health insurance program managers to ensure alignment with policy goals
- Assisted in monitoring and evaluating the impact of social health protection programs enabled by openIMIS

11/2020 - 01/2021 - KATHMANDU, NEPAL

SOFTWARE DEVELOPER (CONTRACT) GIZ DEUTSCHE GESELLSCHAFT FÜR INTERNATIONALE ZUSAMMENARBEIT

- Customized the **Claim Module** in **openIMIS** software to support the Health Insurance Board of Nepal
- Ensured functionality aligned with local healthcare and insurance requirements
- **Technologies:** Django framework, ReactJS
- Training to Health Insurance Board Staff on the change management.

2019 - 2020 - SINGAPORE

SOFTWARE SUPPORT AND DEVELOPER (REMOTE) AT UPWORK (CONTRACT) FIXTROX PTE. LTD.

- Built and maintained websites using **WordPress** and **PHP**
- Enhanced interactivity and UI functionality with **jQuery**
- Managed server configuration and hosting via **Apache** and **cPanel**
- Deployed and maintained web applications on **Amazon EC2 instances**

2019 - 2020 - KATHMANDU, NEPAL

TEAM LEAD AND SENIOR SOFTWARE DEVELOPER (SAROVARA) GRANTHA

- Developed an eCommerce application for a water company with location-based store and product delivery features
- Used **Django** for backend and **Flutter** for cross-platform mobile apps (iOS/Android)
- Delivered high-quality code on time by managing project timelines and prioritizing tasks effectively
- Collaborated with cross-functional teams to integrate software components into existing systems
- Designed marketing materials including **posters, flyers, and pamphlets** to support promotional campaigns and customer outreach

2018 - 2019 - AUSTRALIA

LEAD SOFTWARE DEVELOPER (REMOTE) NEPSTRALIA GROUP

- Developed a classified website for students to find jobs and accommodation
- Collaborated with backend developers to design and integrate APIs
- Integrated third-party APIs to enhance platform features and usability
- Implemented Google Ads, Google Analytics, and SEO strategies to improve reach, user engagement, and performance tracking

01/2017 - 2025 - KATHMANDU, NEPAL

COMPUTER ENGINEER (CONSULTANT) OFFICE OF THE ATTORNEY GENERAL

- System design, analysis, and software requirement gathering
- Procurement of IT infrastructure and electronic equipment
- Deployment and management of systems in VMware, Windows Server, and Linux
- Assisted in creating IT policy and development guidelines

2016 - 2017 - LAMJUNG, NEPAL

ASSOCIATE SOFTWARE ENGINEER SEVA DEVELOPMENT LTD.

Software Testing and Quality Assurance

- Conducted manual and/or automated testing to ensure software met functional and performance requirements.
- Identified bugs, reported issues, and worked with developers to ensure timely resolution.
- Ensured adherence to client-specific quality standards and compliance requirements.

Training and User Enablement

- Developed clear, structured training materials and user documentation.
- Facilitated end-user training to support smooth adoption of new software features.

Cross-functional Collaboration

- Collaborated with developers, product managers, and business analysts to gather requirements and define test strategies.
- Participated in Agile/Scrum ceremonies (e.g., sprint planning, daily standups, retrospectives).

Software Deployment Support

- Assisted in the deployment process by validating releases and verifying fixes in staging/production environments.
- Provided post-deployment support and gathered feedback from users.

● EDUCATION & TRAINING

KATHMANDU, NEPAL

MASTER IN E-GOVERNANCE (63 CREDITS / 2-YEAR PROGRAM)- NEPAL OPEN UNIVERSITY

Field(s) of study: Science , Health and Technology | **Final grade:** 3.76/4.0 | **Expected Graduation:** June 2026 | **Level in EQF:** 7 | **Thesis:** Ongoing Thesis (9 Credits): Machine Learning for False Claim Detection in Health Insurance. | **Website:** nou.edu.np

DHULIKHEL, NEPAL

BACHELOR OF COMPUTER ENGINEERING- KATHMANDU UNIVERSITY

Field(s) of study: Engineering, manufacturing and construction | **Level in EQF:** 6 | **Website:** ku.edu.np

KATHMANDU, NEPAL

HIGHER SECONDARY EDUCATIONAL BOARD- GOLDENGATE INTERNATIONAL COLLEGE

Level in EQF: 4 | **Website:** <https://goldengateintl.com/>

● **LANGUAGE SKILLS**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
HINDI	C2	A2	B2	B2	A1

● **SKILLS**

think creatively | perform video editing | Community engagement | content marketing strategy