

LAXMAN POKHREL

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Portfolio | GitHub | LinkedIn

EDUCATION

Nepal College of information technology

Bachelor of computer engineering

Balkumari, Lalitpur, Nepal

2018 - Feb/2024

Nepal Mega College

Science, Math

Babarmahal, Kathmandu, Nepal

2016 - 2018

EXPERIENCE

Naxa Private Limited | Mid-Senior Front-end Developer Baluatar, Kathmandu, Nepal | 2022 - Present

- **Geospatial Data Focus:**

Led development of frontend architectures for large geospatial data volumes, emphasizing data visualization and ensuring error-prone designs.

- **Technological Advancements:**

Led successful transitions from JavaScript to TypeScript and Webpack to Vite, enhancing code reliability and project efficiency.

- **Tools and Technologies:**

Utilized React and associated tools (ReactSauce, Redux-Saga, React Query, Redux UI, React Toolkit) for effective frontend state management and Django for Backend API development

Mervix Technologies Private Limited | Junior MERN Stack Developer Budanilkantha, Kathmandu, Nepal | Feb/2022 - Dec/2022

- **API Development:**

Robust API development for diverse content management systems, with a focus on healthcare and personal blogging.

- **Collaboration & Tech Stack:**

Collaborated on cross-functional teams, utilizing React.js, Node.js, Express.js, and MongoDB for scalable applications

- **Best Practices & Deployment:**

Applied coding best practices for modularity and performance.
Proficiently deployed on Heroku, showcasing end-to-end development skills.
Streamlined MERN stack development, optimizing project efficiency.

Microsoft | Microsoft Learn Student Ambassador

2019 - 2022

- Contributed to the global Microsoft Learn Student Ambassador community, gaining diverse insights into Microsoft cloud technologies.
- Organized and facilitated an Ideathon for Imagine Cup, providing a platform for showcasing student skills and innovative ideas.
- Conducted online sessions guiding students on Git and GitHub, promoting best practices in version control and collaborative software development.

Nepal Cloud Professionals | Member of Volunteer Board

2021 - 2022

- Spearheaded Nepal Cloud Summit 2023 in collaboration with C# Corner, uniting professionals to explore cloud trends.
- Collaborated with volunteers, fostering a vibrant environment for knowledgesharing and skill development.

AIESEC in Patan | Junior Partnership Manager

Lalitpur, Nepal | 2019 - 2021

- Secured sponsorships by pitching events to companies, engaging with Board of Directors, and formalizing agreements through MOUs.
- Orchestrated successful Youth Forums on climate change and events supporting local business and startup growth.

SKILLS

Programming Languages: Python, C#, C, JavaScript, C++
Libraries/Frameworks: Node, Django, React, Express
Tools / Platforms: Git, VS Code, Github Actions, Docker, CI/CD
Databases: MongoDB, SQL, PostgreSQL

PROJECTS / OPEN-SOURCE

Integrated Mapping and Assessment Platform (iMAP) Health | Link *React, OpenLayers*
Health Facility Accessibility Analysis Concept such as Weighted Overlay Analysis, Drone
Parameter Analysis, Accessibility Analysis, Multiple Criteria Decision Analysis, Optimal Route analysis

Participatory Disaster Risk Assessment (PDRA) | Link *React, OpenLayers*
Understanding Household Level Vulnerability Analysis based on primary data collected at the
household level.

Digital Finance Information Management System (DFIMS) | Link *React, OpenLayers*

- **Data Visualization Expertise:** Working with the geographical map of Nepal for data visualization enhanced my skills in presenting information in a visually compelling manner, a crucial aspect for a frontend developer working on projects with diverse user bases.
- **Complex Problem Solving:** Dealing with the intricacies of finance management required adept problem-solving skills. Overcoming challenges in automating various steps of the process showcased my ability to handle complex problems and devise effective solutions.
- **Leadership Skills:** As a lead frontend developer on DFIMS, I honed my leadership abilities by guiding the development team through the project lifecycle, ensuring cohesion and efficient collaboration.

Forec-Nepal | Link *React, MaplibreGL.js*

- **Geospatial Visualization Mastery:** A project focused on visualizing geofeatures like glaciers, lakes, humidity, temperature, landslides, and river banks. Developed expertise in geospatial data visualization.
- **Natural Disaster Probability Analysis:** Contributed to the creation of a crucial tool for studying the probability of natural disasters such as glacier lake outbursts and floods. Played a key role in enhancing understanding and preparedness for potential environmental risks.
- **Data Integration and Mapping:** Implemented data collected from field surveys by real people into the mapping tool, showcasing adeptness in data integration and ensuring accurate representation of geofeatures on the map.

Safa Nepal | Link *React.js, MaplibreGL.js*

- **Real-Time Waste Collection Tracking:** Implemented features for tracking waste collection vehicles in real-time, providing users with dynamic route information.
- **Comprehensive Waste Infrastructure Information:** Developed an information-rich portal offering details on waste infrastructure, including recycling centers, transfer stations, scrap dealers, composting centers, and landfill sites.

Hospital Management System | Link *C# windows form, MySQL*

- **Database Design and Management:** Spearheaded the design and management of the database for the "Hospital Management System," ensuring efficient storage and retrieval of critical information related to patient records, prescriptions, billing, and staff details.
- **C# Windows Form Development:** Played a pivotal role as a C# Windows Form Developer, contributing to the creation of a robust desktop application that seamlessly integrates various hospital activities. This includes managing tickets for OPD and emergency, doctors' prescriptions, patient history, bill printing, and user logins for doctors, patients, and staff.
- **Comprehensive User Authentication:** Implemented a secure login system for hospital doctors, patients, and staff, ensuring authorized access to relevant sections of the application. Prioritized data confidentiality and privacy.

- **Attendance Management:** Integrated an attendance tracking system for hospital staff, enhancing overall workforce management and accountability.

Online Bidding System | [Link](#)

Express js, firebase(firestore), React Js, MySQL

- **Real-Time Bidding Backend Development:** Served as a Fullstack Developer (Backend) for the "Online Bidding System," creating backend endpoints for a dynamic real-time bidding platform. Leveraged Firebase Realtime Database (Firestore) to ensure seamless and instantaneous bid updates.
- **Admin Dashboard for Validation:** Designed an admin dashboard to validate and verify bids post the completion of each auction. Streamlined the process for administrators to ensure transparency and accuracy in bid assessments.
- **Firebase Integration:** Utilized Firebase Realtime Database to enable efficient and synchronized communication between the backend and frontend, ensuring a responsive and real-time bidding experience for users.

@xmanscript/has-error-boundary | [Link](#)

React

@xmanscript/useform | [Link](#)

React

@xmanscript/utils | [Link](#)

React

@xmanscript/uselocalstorage | [Link](#)

React

CERTIFICATIONS

- Microsoft Learn Student Ambassadors Mentor - **Microsoft MVP and Student Ambassadors Communities**