

ISHAN DAHAL

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Skills

- JavaScript | TypeScript | Python | C++ | Java | PostgreSQL | HTML | CSS | React | Redux | Android Development | NoSQL |
- Git | Tailwind | GCP | Cloud Computing | CI/CD | Jest | Unit Testing | OOP | REST Services | REST API | Web | Agile | VSCode
- Frontend | Full-stack | Microservices | Web Scrapping | SCRUM | AI | English, Nepali – All professional proficiency.

Experience

Software Engineer SeeLogic Pvt. Ltd. *Kathmandu, Nepal* **09/2021 - 07/2022**

- Led the design and development of e-commerce application for Murray Uniform group, driving 200% increase in daily user count utilizing the latest technologies of **React, Redux, Figma, HTML, Tailwind CSS, REST APIs** and more.
- Implemented map component consisting complex geocoding, routing, and tracking features for integrating UPS store locations and advanced product item tracking feature in e-commerce applications.
- Conducted thorough unit, integration, and more tests with **Jest** and delivered quality and bug-free applications.
- Utilized **React JS** package, **react-three-fiber** to implement 3D graphics and visualization for intuitive product visualization.
- Managed and orchestrated **Git** version control workflows for projects, overseeing branches, pull requests, and merges to ensure a streamlined and collaborative development process.

Software Developer InfoDevelopers Pvt Ltd *Kathmandu, Nepal* **10/2019 - 08/2021**

- Employed cutting-edge performance optimization techniques, incorporating lazy loading, PWA, and async loading, significantly enhancing initial page load times across a project comprising 20+ modules.
- Implemented role-based access control with token authentication for fortified security and precise user authorization.
- Used **HTML Canvas** and **JavaScript** to achieve secured media upload, manipulation and validation.
- Worked on 500+ diversified **REST APIs**, including external payment gateway APIs, implementing REST architecture.
- Engineered intuitive multi-level forms with validations utilizing **Yup** and **React Forms** for web app profiles.
- Engineered robust & privilege routing and navigation within the application and achieved **SPA architecture**.

Front-end Developer, Intern Treeleaf Technologies *Kathmandu, Nepal* **06/2019 - 09/2019**

- Utilized **Jest** to conduct comprehensive testing, ensuring robust functionality and bug-free performance.
- Enhanced existing projects by incorporating interactive elements, such as spinners and loaders, to improve user experience and responsiveness. Developed an interactive web page for an in-house product.
- Crafted visually captivating **UI/UX designs**, engaging brochures, and eye-catching flyers for products and promotions.

Education

University of Michigan-Dearborn *Dearborn, MI 48126* **08/2022 - 04/2024**
Master's Degree, Computer and Information Science

Tribhuvan University *Kathmandu, Nepal* **10/2015 - 04/2019**
Bachelor's Degree, Computer and Information Science

Projects

- **MyHealth**: Designed and developed web application to facilitate patient & health workers to log information using the state-of-art technologies such as React, MongoDB, Node JS, Express, and more.
- **Scheduler** : Designed and developed android application which allows to schedule weekly time and day for organization's staff using Java, Android Studio Development.
- **UMD Shuttle Service**: Designed and developed mobile application using React Native with features such as real-time notification and integrated map to track the shuttle for UM-Dearborn students.
- **Video Analytical Solution**: Leveraged various google cloud services such as BigQuery, Video Intelligence API, Pub/Sub, for extracting the key information from the videos in json format. Also, implemented a dataflow pipeline with Apache Beam.

Mentorship

- **Supplemental Instructor (STEM)**: Tutored undergraduate of University of Michigan-Dearborn in courses such as Digital Logic, C++.