





Surya Man Kedem

Software Engineer (Full-Stack Developer | Front-End Specialist | UI/UX Designer)

 Suryamankedem@gmail.com  Reading, UK  suryamankedem  SuryaLimbu

 surya kedem  www.suryamankedem.com.np

SKILLS

Programming Language

- JavaScripte (Actively using),
- Python (Actively using),
- PHP (Proficient),
- HTML (Proficient),
- CSS (Proficient),

Frameworks/ Libraries

- React (Proficient),
- Next.js (Actively using),
- Laravel (Proficient),
- Tailwind Css (Actively using),
- Bootstrap (Proficient)

Database & Backend

- MongoDB (Proficient),
- PostgreSQL (Actively using),
- Mysql (Proficient),
- Node.js (Proficient)

Design Tools

- Figma (Proficient),
- Photoshop (Proficient),
- Illustrator (Proficient)

Cloud Platforms

Github, Vercel

AI Tools

- GitHub copilot (Proficient),
- ChatGPT (Proficient)
- Codium AI (Comptitent)

PROJECTS

E-commerce Platform Development

- Developed a scalable e-commerce platform similar to Vinted, tailored for university students to buy and sell second-hand items.
- Built using **React.js**, **Node.js**, **MongoDB**, and **Tailwind CSS**, focusing on improving user experience and operational efficiency.
- Integrated features like item listing, user authentication, chat functionality, and secure payment options to create a seamless buying and selling experience.
- Designed a responsive UI optimized for both desktop and mobile, ensuring accessibility for a diverse student audience.
- Implemented backend logic to support efficient item categorization, search, and transaction tracking.

Flight Booking System

- Developed a robust flight booking application using **Next.js**, **MongoDB**, and **Tailwind CSS** to streamline booking processes and enhance user interactions.
- Designed and implemented an algorithm to prevent single-seat scatter, ensuring optimal seating arrangements for passengers.
- Focused on delivering a seamless and responsive user experience, with features like real-time seat selection, booking status updates, and secure payment integration.

Knowledge Management System

- Developed a comprehensive knowledge management system using **React.js**, **Node.js**, **MongoDB**, and **Tailwind CSS**.
- Facilitated efficient information management and retrieval through intuitive UI/UX design and robust backend architecture.

PROFESSIONAL EXPERIENCE

Gharagan Multipurpose Company Pvt. Ltd.

Web Developer \ Designer

May 2022 – May 2023

Mahalaxmi - 06\ Lalitpur, Nepal

- Developed and maintained responsive web applications using React.js, Node.js, and MongoDB.
- Designed and created logos, banners, posters, and branding materials, enhancing the company's visual identity.
- Collaborated with cross-functional teams to deliver projects on time, improving client satisfaction.

Web Developer\ Designer

Nov 2021 – Apr 2022

Mahalaxmi -5, Lalitpur, Nepal
Web Development and Web Designer Internship

Mitchells & Butlers (Toby Carvery)

Chef

present | Reading

EDUCATION

Bsc.(Hons) in Computing (Software Engineering)

NAMI College affiliated with Northampton University

2018 – Sep 2021

Kathmandu, Nepal

Msc. Software Engineering

West London University

Sep 2023 – Oct 2024

West London, Ealing, England

- Implemented features like advanced search, categorization, and real-time updates to streamline knowledge sharing and collaboration.
- Ensured scalability and performance optimization to support growing user data and demands.

E-voting System UI Design [↗](#)

- Designed an intuitive and user-friendly UI for an e-voting system using Figma.
- Focused on enhancing user experience (UX) and accessibility to increase voter engagement and usability.
- Conducted user persona research to identify key user needs, behaviors, and preferences, ensuring the design catered to diverse audiences.
- Delivered a visually appealing and functional prototype aligned with accessibility standards and modern design principles.

Deep Learning for Automated Infrastructure Monitoring and Analysis

Thesis Project

- Developed a deep learning model for detecting glacier lake changes and outburst events in Nepal using satellite imagery.
- Conducted extensive research and data preprocessing, including lake mask creation and time-series image analysis.
- Focused on the impact of glacial lake outburst floods (GLOFs) on infrastructure, with a special emphasis on Nepal.
- Leveraged Python, PyTorch, and Google Earth Engine for model training and data collection.
- Presented findings on infrastructure risk analysis and mitigation strategies using AI and remote sensing techniques.

CERTIFICATES

Hult Prize Nami

Organizing committee member as a graphic designer

LANGUAGES

English — Fluent

Hindi — Proficient

Nepali — Native/Bilingual