

# SHASHANKA LUITEL

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## PROFILE

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Dynamic and motivated computer engineer with a passion for building web and mobile applications using React and React Native, along with a keen interest in AI/ML and backend development. Experienced in frontend development using React, Next.js, Tailwindcss and backend development using Node.js. Eager to apply my knowledge, learn from industry professionals and continue growing professionally

## PROJECTS

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### Trek Diaries Website

Developed a social media platform for trekking and hiking enthusiasts, featuring location exploration, user connections, and content sharing through posts, likes, and comments. Integrated a recommendation system that tailors posts based on user preferences, enhancing the overall user experience.

- **Tech Stack:** NextJS(frontend), TailwindCSS, TypeScript, NeonDB(Database), DrizzleORM, Cloudinary, Algolia, NextAuth

### Trek Diaries Mobile App

Developed a mobile app designed for trekking and hiking enthusiasts that allows users to discover new locations, connect with fellow adventurers, and share their journeys through posts, likes, and comments, providing a seamless experience for outdoor lovers.

- **Tech Stack:** Expo(React Native Framework), TailwindCSS, TypeScript, NeonDB(Database), DrizzleORM, Cloudinary, Algolia (Search Engine)

### Battleship

Developed a browser-based multiplayer strategy game where players command fleets of warships. Players take turns guessing the hidden locations of the opponent's ships, aiming to destroy the entire opposing fleet.

- **Tech Stack:** Reactjs(Frontend), Node.js(Backend), MongoDB(Database), Socket.io

### CureMe

Developed a user-friendly doctor appointment website that allows patients to choose doctors, select available dates and times, and book appointments efficiently. Implemented key features, including a dynamic doctor listing with search and filter options, real-time appointment booking, and user profile management for both patients and doctors.

- **Tech Stack:** React(Frontend), TailwindCSS

### Job Hunt

Developed a desktop application designed to bridge the gap between employers and job seekers. Recognizing employment as a fundamental need, this platform was developed to provide a seamless space for employers to post job listings and for job seekers to find opportunities that match their skills.

- **Tech Stack:** Qt(Frontend), C++, C (Programming Language)

### chat-JPT

Developed a real-time chat application that enables seamless and continuous communication from anywhere, allowing users to exchange messages instantly and efficiently.

- **Tech Stack:** Reactjs(Frontend), Socket.io

### Flight Delay Data Visualization

Developed a comprehensive data mining and visualization dashboard to analyze historical flight data, focusing on critical aspects such as flight delays and cancellations. Processed and explored key metrics, including delay durations, cancellation reasons, and temporal trends, to uncover actionable patterns.

- **Tech Stack:** Streamlit, Python

### Maze Runner 2D Simulation game

Developed a fun and engaging 2D car simulation game using Python, Pygame, and PyOpenGL. Players navigate a car through a complex maze, aiming to reach the finish line.

- **Tech Stack:** Python

## SKILLS

- **Programming Language** : Javascript, Python, C, C++
- **Frontend Development** : React, Next.js, Expo(React Native), TailwindCss
- **Backend Development** : Express, Flask
- **Database** : MongoDB, Appwrite, SQL, neo4j
- **Tools Used** : Figma, Adobe InDesign, Git and GitHub, VS Code, Canva, Android Studio, Adobe Illustrator, Notion, Expo, Streamlit
- **Soft Skills** : Presentation, Collaboration, Teamwork, Problem-solving, Listening, Fast-learner

## EDUCATION

<b>Bachelor of Computer Engineering</b>   CGPA: 3.7 (Aggregate till 6th semester) <a href="#">Kathmandu University</a>	<b>Dhulikhel, Nepal</b> 2020-2025(expected)
<b>+2, NEB</b>   CGPA: 3.76 <a href="#">DAV College, Nepal</a>	<b>Jawalakhel, Nepal</b> 2018-2020
<b>Secondary Education Examination (SEE)</b>   GPA: 3.80 <a href="#">CVM Secondary School</a>	<b>Gatthaghar, Nepal</b> 2018

## EXTRACURRICULAR ACTIVITIES

**DEVELOPER LEAD**  
**IT MEET 2024 | AUGUST 2024 - DECEMBER 2024**

- Leading a team of developers to build and maintain a fully responsive and dynamic website of [IT MEET 2024](#), which is one of the biggest tech event in Nepal.
- Collaborating with the design team to ensure seamless UI/UX across all devices.

**BETA MICROSOFT LEARN STUDENT AMBASSADOR**  
**MICROSOFT | NOV 2023 - PRESENT**

- Conducted workshops in multiple schools to empower students to cultivate early coding habits.
- Organized events, and workshops to promote the use of Microsoft technologies.
- Received training and resources from Microsoft to enhance technical skills and leadership abilities.

**ACTIVE GENERAL AND DESIGN COMMUNITY COMMITTEE MEMBER**  
**KATHMANDU UNIVERSITY COMPUTER CLUB (KUCC) | 2021 - 2023**

- Participated in various events organized by KUCC, including seminars, exhibitions, hackathons, skill development programs etc.
- Volunteered for different programs and workshops organized by the Design Community.

**GRAPHIC DESIGNER**  
**KU HACKFEST 2023 | 29TH SEP - 1ST OCT 2023**

- Contributed to the event's visual assets, creating eye-catching designs that aligned with the overall theme and objectives of the event, while working closely with other teams to ensure seamless coordination and a unified event presentation.

**IT EXPRESS 2022 | 20TH NOV - 29TH NOV 2022**

- Played a crucial role in the successful publication of the IT Express Journal using Adobe InDesign and other essential designs tools, enhancing the magazine's visual interface

## ADDITIONAL INFORMATION

- **Languages:** Nepali [Native], English [Fluent], German [Learning], Hindi [Fluent], French [Learning]
- **Certifications:**
  - Basic concept of AI and ML ([Link](#))
  - Google High-Fidelity Designs and Prototypes in Figma ([Link](#))
  - Build Website Using WordPress ([Link](#))
  - Neural Network and Deep Learning ([Link](#))
  - Principles of UX/UI Design ([Link](#))
  - React Native ([Link](#))
  - React Native Unveiled : From Basics to Mobile Mastery ([Link](#))