

# UTSAV BARAL

Chyasundol, Kathmandu, Nepal

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## Profile

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A dedicated Frontend developer with over two years of experience creating user-centric web applications. I am passionate about developing user-friendly platforms that enhance user interaction. I enjoy utilizing a range of technology and design concepts to ensure that users have a smooth experience. I hold a master's degree in Computer Science and Information Technology from Tribhuvan University.

## Experience

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### InfoDevelopers Pvt. Ltd.

June 2021 – October 2021

*UI/UX Engineer*

*Lalitpur, Nepal*

- Developed user interfaces for Corporate Pay and ConnectIPS, two digital wallet systems.
- Built user interfaces and web application for Ministry of Federal Affairs and General Administration (React.js).
- Developed user interfaces and web application for Government Integrated Office Management System (React.js).
- Involved in designing and development of user interfaces and web application for the digital lending system (Rapi Money), website and dashboard of the Nepal Police, Ministry of Health, Ministry of Land Reform and Management, and Sanima Bank Limited's subsidiary using Vue.js and React.js.

### Primasofts

Oct 2020 – June 2021

*Software Developer*

*Kathmandu, Nepal*

- Developed a real estate website using React.js, Node.js and Firebase.
- Developed a Customer Data Management Web App for convenient tracking of customer and products using React.js, Node.js and Firebase.
- Involved in designing, development and maintenance of the then working company's website, Primasofts, using React.js and Node.js.
- Mentored interns on the basics of React.js and responsive web design.

### Learngaroo Learning

June 2020 – Sept. 2020

*Web Developer*

*Kathmandu, Nepal*

- Internship at Learngaroo Learning.
- Built REST API using Flask.
- Used AWS services such as S3 bucket and Transcribe.
- Designed and developed the then working company's website, Learngaroo, homepage using HTML, CSS, and JavaScript.

### Incwell Venture Pvt. Ltd.

May 2019 – May 2020

*Bootcamp, Intern, Software Developer*

*Lalitpur, Nepal*

- Contributed to the development and maintenance of in-house project, Leave Management System (LMS) developed using React.js.
- Developed Black Forest website using HTML, CSS and JS.
- Received hands-on training in web development technologies, including React.js and Node.js.

## Education

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### Central Department of Computer Science and Information Technology, TU

Oct. 2021 – July 2024

*Master of Science in Computer Science and Information Technology*

*Kathmandu, Nepal*

### Himalaya College of Engineering, TU

Nov. 2014 – Aug. 2018

*Bachelors of Science in Computer Science and Information Technology*

*Lalitpur, Nepal*

## Projects

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### Portfolio Website | *Next.js, Nodemailer, MongoDB, NextAuth*

August 2024 – Present

- Developed a personal portfolio website using Next.js.
- MongoDB is used as database along with NextAuth for user authentication.
- Used Framer motion for animation between pages while changing the routes.
- Nodemailer used for email services.
- Shadcn was used for UI Elements.

### Automatic Number Plate Detection System | *Python, Tensorflow, Keras*

December 2023 – July 2024

- Developed an Automatic Number Plate Recognition (ANPR) system using Convolutional Neural Networks (CNNs).
- Used YOLOv8 for extraction of number plates from vehicles.
- Compared VGG19 and ResNet50 to determine the most accurate model for recognition.

### Instagram Clone | *MERN Stack*

June 2020 – July 2020

- React.js, Node.js, Express.js, and MongoDB were used in the development process.
- Utilized JWT for authentication and Context API for state management.

### COVID-19 Tracker | *React.js, Chart.js, Leaflet*

January 2021 – February 2021

- COVID-19 Tracker web app developed using React.js.
- Chart.js is used for visualization of the data.
- Utilized Leaflet for displaying statistical data on a map for various countries.

### E-commerce web app UI | *React.js, SCSS, Bootstrap*

March 2022 – March 2022

- Developed an e-commerce website UI using React.js, Bootstrap, and SASS.

## Technical Skills

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**Frontend:** HTML5, JavaScript(ES6), React.js, Next.js

**State Management:** Redux (including Redux Toolkit), Context API

**Styling:** CSS3, SCSS, Tailwind CSS, Bootstrap, Ant Design

**Backend:** Next.js, REST API

**Tools and Methodologies:** Git, BEM Methodology, Responsive Web Design