

# KUSHAL LAL SHRESTHA

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## TECHNICAL SKILLS

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**Front End** | React, Tailwind, HTML, CSS

**Back End** | NodeJS ,Express, PostgreSQL, MongoDB, MySQL

**Developer Tools** | Git, NPM, AWS, AlibabaCloud

**Programming Languages** | Javascript, Python, C, C++

**Documentation** | LaTeX

## EXPERIENCE & PROJECTS

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### Portfolio Website

November 2022- current

*A personal project to learn and explore new technologies.*

ExpressJS | React | MongoDB | AlibabaCloud | CloudFlare

- Website's backend is developed using Node and ExpressJS with MongoDB as the database. To store the image files, localstorage of the ECS instance is used.
- AlibabaCloud's Elastic Compute Service is used to host the backend. Nginx is used to forward the port.
- React is used for frontend development and for CSS, Tailwind is used. The frontend is currently in development phase.

### Hate Speech Detection for Nepali Language

April 2023

*Browser extension to censor hate comments in Youtube using Natural Language Processing*

Javascript | Python

- Developed a Chrome extension that sends the Youtube comments to the Flask backend connected to NLP model which analyzes the comments for hatespeech and flags the comments for it to be censored by the extension.

### Blockchain Based Land Registry System

March 2022

*A land registry platform using blockchain technology*

React | Solidity

- Developed a smart contract using Solidity to store and manipulate user and land informations in blockchain and deployed it to Ganache blockchain for testing.
- Developed a frontend application in React to integrate metamask extension and smart contract. It provided seamless experience for the user to store data in the blockchain.

### Plane Paper Website

November 2022

*A fullstack website demo website*

React | Express | ExpressJS | MongoDB

- The main goal for developing this website was to learn good programming practices along with basic fullstack development with React and Express. MongoDB was used as database and ODM library like Mongoose and MongoDB Driver were used.
- Through this project functionalities of Git and Github was also learnt.

### Home Automation

November 2018

*Google Assistant enabled home automation system*

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- ESP32 module is the brain of this project which is programmed to turn on/off home appliances.
- IFTTT was used to implement the Google Voice Assistant with Blynk app.

## EDUCATION

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**Graded English Medium School - SLC, GPA (3.5)**

2016

**GEMS Institute of Higher Education - Plus 2 ,GPA (2.79)**

2018

**Kantipur Engineering College - Bachelors in Computer Engineering (current)**

2023

\*Note: Last updated in April,2023