

Sulav Gaire

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EDUCATION

TRIBHUVAN UNIVERSITY

IOE Pashchimanchal Campus

BACHELORS OF ENGINEERING

in Electronics, Communication & Information (BEI)

(result waiting)

Nov 2019 – April 2024 | Pokhara, Nepal

KATHMANDU MODEL COLLEGE

HIGH SCHOOL

Jun 2017 – April 2019 | Kathmandu, Nepal

LINKS

Facebook:// [Sulav Gaire](#)

Github:// [SulavGaire](#)

LinkedIn:// [Sulav Gaire](#)

Medium:// [Sulav Gaire](#)

COURSEWORK

UNDERGRADUATE

Object Oriented Programming

Data structure and Algorithms

Computer Organization and Architecture

Operating Systems

Computer Network

Database Management Systems

Embedded System

Computer Graphics

Artificial Intelligence

Data mining

SKILLS

PROGRAMMING

Proficient:

• Javascript • Python • Shell

Novice:

• C • C++ • CSS • \LaTeX

Familiar:

• MongoDB • MySQL

Software and library

• Pandas, NumPy, Matplotlib, Tensorflow

• MERN Stack

• Figma

CERTIFICATIONS

MACHINE LEARNING SPECIALIZATION
by Andrew Ng

EXPERIENCE

CODSE | SOFTWARE DEVELOPMENT INTERN

Jan 2024 - Feb 2024 | Pokhara, Nepal

- Converted Figma to React using Tailwind CSS, reducing dev time by 30%.
- Secured multi-user app with TypeScript, JWT, & REST API authentication.
- Learned to collaborate with multiple developer in single project using Github
- Enhanced UX with React Query and multi-step form

ORION SPACE NEPAL | ELECTRONICS DESIGN INTERN

February 2022 - August 2022. | Kathmandu, Nepal

- Conducted research on LoRa-based sensor networks in the UHF band.
- Developed Node.js dashboard for real-time LoRa data monitoring.
- Contributed to design & develop educational satellites like CanSat & CUBEK.

PROJECTS

E-NIRWACHAN | MAJOR PROJECT | Github

Bio-metric Voting System using React, Django, MongoDB, face & fingerprint recognition

SAJILO AMBULANCE | GRITFEAT AI HACKATHON | Github

Uber-like app for ambulance services with triage prediction features and hospital recommendations

WEATHER PREDICTION | MINOR PROJECT | Github

Data collection using LoRa and Arduino, Xgboost algorithm for prediction using time series weather data, and Node.js as server

THEATRE BOOKING SYSTEM | DBMS CLASS PROJECT | Github

DBMS project using MySQL, Node.js, EJS and Bootstrap

CANSAT DASHBOARD | ORION SPACE NEPAL | Github

Created satellite ground station dashboard using Node.js

TEXT MANIPULATOR | PERSONAL PROJECT | Github

Created with React and bootstrap

AWARDS

2024	National	2 nd runner-up at TECHENERGY Hackathon, by Hitachi Energy
2024	1 st /50	Project Expo NebiFest 2024 (Project: Delta Arm)
2021	Regional	2 nd at Robo-soccer competition CAN-INFOTECH 2021

EXTRA CURRICULAR

2022 - 2023	Senior member	Robotics Club, IOE, WRC
2023	Participant	Gritfeat AI hackfest
2023	Art Competition winner	Happy club WRC art competition

REFERENCE

Jiten Thapa ORION SPACE NEPAL jitenthapa56@gmail.com