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**
Meduim:// **Sulav Gaire**
Twitter:// **@SulavGaire**

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
- Spearheaded Figma to React conversion with Tailwind CSS, saving 30% development time.
- Developed secure authentication & access control with TypeScript, JWT, and REST API for multi-user app.
- 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 the design and development of educational satellites like CanSat and CUBEEK.

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	2nd runner-up at TECHNERGY Hackathon, by Hitachi Energy
2024	1st/50	Project Expo	NebiFest 2024 (Project: Delta Arm)
2021	Regional	2nd 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
2022	1st/20	Inter society presentation competition