

Suyog Gaire

Techpreneur

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🌐 dev-suyog

Profile

A passionate Computer Science enthusiast having a 1 year professional experience of Software Engineering specializing in Mobile Application Development.

Tutor, Leader, Learner

Skills

Programming Languages and tools: Dart(Flutter), C, C++, React, Python, Git, Github, Arduino, Latex

Soft skills: Communication, Networking, Teaching, Manifestation

Education

2019 - 2021	Kathmandu Model Secondary School , Bagbazaar -High School, (Science) GPA: 3.66/4
2008-2018	Learning Realm International School- (SEE) GPA:3.85/4

Work Experience

2021 - Present	Data Research Council For Students- Executive Committee Head <i>Online</i> <ul style="list-style-type: none">Organized various Tech related Programs for aspiring computer science students.Collaborated with Together We Learn and RoboTeach Nepal to assist students physically as well.
2021 Sept. - 2021 Nov.	First Global Challenge <i>Team Lead</i> <ul style="list-style-type: none">Lead Designer and assistant programmer of Team Nepal in the First Global Challenge-2021Built a CubeSatellite and a cleaner robot and researched about the prospective challenges and their solutions.
2021 Dec-2022 July	App Technologies <i>Jr. Developer</i> <ul style="list-style-type: none">Developed a professional E-Commerce App primarily using Flutter.Gained on-field experience regarding Tech jobs; Helped raised interns
2021 Dec-2022 July	Robotics Association of Nepal <i>Intern</i> <ul style="list-style-type: none">Conducted and taught Robotics in more than 5 schools and undergraduate colleges in NepalInherited more advanced concepts of Robotics through teaching process

Leadership and Teaching Experience

KMC Robotics Club-President

- Led the KMC Robotics Club in building, designing and prototyping various robots for competitions as well as on-campus demonstration.
- Collaborated with Robotics Association of Nepal; organized Tech Camps, competitions and tutored Computer Science enthusiasts the basics of Robotics

Data Research Council for Students- Flutter tutor

- Organized webinars and virtual session for students from all over Nepal in Flutter.
- On-hands collaboration with Together We Learn for organizing various Computer Science sessions both physically and virtually.

Personal Academic Tutor

- Taught private home tutions for 4 students for a total of 2 years

Honors

- **National Olympiad in Informatics** (Gold Medalist)
Absolute Winner of Nepal out of a total participation of <1000 students.
- **Microsoft Imagine Cup 2021**- South Asian Winners
Won the Microsoft Imagine Cup National Competition; only 1 of the 200 top teams to advance to the Asian Finals of the competition from Nepal.
- **Glocal Tech Camp**
Associated with project MatoLab to provide efficient soil testing to farmers; Rank 1 out of 105 teams.
- **Mayor's Choice Award** :Rank 1 out of total 5000 students
Valedictorian in SEE; the highest academic honor for a student in Chandragiri municipality.

Projects

CubeSatellite

- Built a CubeSatellite to To identify the temperature, UV rays, concentration, and PPM PMW pollution meter in the lower layer of the atmosphere.
- Researched, collected data and wrote a research paper on the quality of air and sent the reports to the concerned authorities.
- Learned the advanced concepts of Arduino Programming and the integration of sensors and chasis design.

Throctor

- Built an AI-based smart Thyroid detection IoT device integrated with a mobile app using thermal imaging sensor to provide efficient treatment at remote areas without the physical presence of doctors.
- Collaborated with National Innovation Center; presented the solution in the Microsoft Imagine Cup-2021 and won the South Asian Regional Finals.

REV Cleaner Robot

- Built a prototype of Garbage Dumping Robot associated with the First-Global Challenge capable of projecting wastes either through air or ground.

Matolab

- Built a portable soil lab for efficient soil testing for the farmers in rural areas using hyper-spectral thermal imaging sensor to calculate pH and the NPK ratio in the soil.
- Reduced cost by \$500; estimated to impact around 2 Million farmers in the remote areas of Nepal
- Collaborated with Glocal Pvt. Ltd as our business partner along with financial support from Province number 5 government.

Bhasaa App

- Created a mobile application to preserve and promote the indigenous languages in the rural communities of Nepal

Project Samrakshana

- Visualized various documented and undocumented areas in a map using React and Mapbox;
- Researched under different MIT and Harvard graduate students; learned the various aspect of other programming languages as well

Asteroid Research-NASA in Collaboration with Hardins Simmons University

- Made valuable contributions to observations of near-Earth objects and Main Belt asteroids by participating in the analysis of images from Pan-STARRS.