Saphal Upreti

Website: saphalupreti.com.np
LinkedIn: Saphal Upreti
Email: saphalupreti95@gmail.com

Bharatpur-12, Chitwan, Nepal
Mobile: +977-9765939135

Education

- **Aroma English Secondary School** — Chitwan, Nepal
  School Leaving Certificate - +2 NEB Science Stream; GPA: 3.65 (A+), SAT:1490 — *July 2021- August 2023*

- **Little Flower School** — Chitwan, Nepal
  Secondary Education Examination - NEB; GPA: 3.85 (A+) — *April 2015- June 2021*

Skills Summary

- **Research**: Analyzing Data, Writing Research Papers, Designing Experiments

- **Softwares**: LaTeX, MS-Office Suite, Google Workspace, Blender, Adobe Photoshop

- **Languages**: Python, JavaScript, HTML, CSS, React Native, C

- **Platforms**: Microsoft

- **Core Skills**: Organization Skills, Leadership, Creative Thinking, Decision Making, Communication, Adaptability and willingness to learn, Strong Interpersonal Skills

Experience

- **Equity Bridge Nepal** — **Kathmandu, Nepal**
  Research Intern — *April 2024- Present*

  - Worked towards equitable educational opportunities for first-generation, low-income students in Nepal
  - Fostered an interactive learning environment that aimed to eradicate systematic barriers and equipped students to excel, ensuring education quality in Nepal
  - Created a financial literacy handbook including various modules, i.e., budgeting, saving, and investing, in providing financial literacy to underprivileged students

- **Freelancing** — **Chitwan, Nepal**
  Digital SAT tutor — *Jan 2024- Present*

  - Developed and Implemented individualized SAT preparation plans for students
  - Utilized a variety of teaching methods to cater to different learning styles
  - Collaborated with parents and teachers to ensure a well-rounded academic experience for students

- **Sadhan** — **Kathmandu, Nepal**
  Advisor and Product Design Manager — *Aug 2023- Present*

  - Conducted market research and analysis to identify business opportunities and threats
  - Formulated and implemented business strategies to achieve company goals
  - Designed a user-friendly e-scooter with seamless integrated lock system operated through company's app
  - Presented design concepts and proposals to investors and venture capitalists

- **Agricultural Development Bank Limited**   **New Road, Kathmandu**
  IT Intern   *Aug 2023- Dec 2023*

    - Performed data entry for new customer accounts, ensuring accuracy and adherence to bank regulations
    - Maintained accurate records and reports
    - Analyzed network performance data to identify potential issues

- **Tech Access Nepal**   **Kathmandu, Nepal**
  Robotics Mentor   *2023*

    - Mentored a team of 15 students in the design, development, and testing of CAN satellites
    - Encouraged critical thinking, problem-solving skills, and teamwork among students
    - Provided technical guidance on electronics, communication protocols, and satellite systems

- **STEAM Aroma**   **Chitwan, Nepal**
  President   *April 2022- August 2023*

    - Led a club of 55 members in planning and executing STEAM related activities, workshops, and events
    - Developed engaging projects and challenges that encouraged exploration across various STEAM disciplines
    - Cultivated a positive and inclusive club environment that fostered collaboration and creativity
    - Increased club membership by 50% through engaging outreach programs
    - Managed club budget and resources effectively

- **Interact Club of LFS**   **Chitwan, Nepal**
  IT Director   *2020-2021*

    - Managed the Interact Club website, ensuring its functionality and up-to-date content
    - Designed and produced flyers and presentations for club events using Microsoft office suite
    - Coordinated with the Interact Club President and other officers to ensure smooth running of technology-related aspects of club events

- **Interact Club of LFS**   **Chitwan, Nepal**
  Founding Member and Community Service Director   *2019-2020*

    - Led the planning, organization, and execution of community service projects, mobilizing 100+ students to contribute 6+ service hours
    - Developed strong relationships with local non-profit organizations to identify community needs and create effective service opportunities
    - Organized and managed donation campaigns for local underprivileged schools

Research Projects

- **Study of Emittance of Neutrons due to Muon Capture & Muon Spallation on Silicon, and Soft Errors in Electronics**:(Co-Author) Worked with my team to propose an experiment, to be conducted at CERN under the supervision of Mr. Martin Schwinzerl, support scientist at CERN, Mr Markus Joos, Technical coordinator of the CERN "Beamline for Schools" competition, and Mr. Kamal Bdr. Rayamajhi, Professor at Tribhuwan University, about the emission of neutrons from muon and silicon interaction (with and without p.d) to reduce maximum soft errors in electronic devices.(March 2024) [View](#)

- **Inflation and Economic Growth due to changes in money supply**:(Primary Author) Formulated a mathematical model to predict the impact of changes in the money supply on inflation and economic growth in context of Nepal under the supervision of Mr. Srijan Sapkota, Gettysburg University, Mr. Sarwesh Parajuli, MIT and Ms. Sagun Bhandari, Pitzer College.(April 2024) [View](#)

Honors and Awards

- **2nd Runner Up at Udhyam Hackathon, Techspire College, 2023**: Awarded among 2000+ participants; Developed a mobile application focused on micro-mobility solutions; Presented the idea in front company executives and judges

- **2nd Runner up at Inter-School Science Exhibition, 2019**: Awarded among 10+ teams; Built a model of futuristic Nepal, harnessing powers of the nature to produce electricity and proposing strong and accurate alert system for natural disasters

- **Finalist at The Startup Fest, The British College, 2023**: Awarded among 500+ participants; Presented a prototype application for room, flat and hostel rentals to a panel of judges, investors, and over 100 competitors and audience members

- **Finalist at AI Crusade, Kathmandu University, 2023**: Awarded among 50+ participants; Developed a smart dustbin with AI-powered waste segregation; Utilized a machine learning model to analyze waste items and categorize them as degradable or non-degradable, enabling automatic separation within the bin

- **School Prefect, Aroma English Secondary School, 2023**: Awarded to top 5% high achieving students

- **Quiz Competitions**: Won 2 intra school quiz competitions, and 1 state level quiz contest

- **School awards**: 1st runner up at Intra-School Chess Competition; Finalist at Intra-School Badminton Competition

Volunteer Experience

- **ING Skill Ambassador** — Kathmandu, Nepal
  Volunteered at a Nation-wide event with over 500+ participants — *Sept 2023- Nov 2023*