

Proposed Position: GIS Expert

PERSONAL INFORMATION

Er. Uttam Pudasaini

Nationality: Nepali

Kageshwori Manohara Municipality- 6, Kathmandu- Nepal.

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EDUCATION

Kathmandu University | Dhulikhel, Nepal (2009 – 2012)

B.E. Geomatics Engineering (CGPA = 3.87)

PROFESSIONAL EXPERIENCE

Dates	August 2014 - Current
Position held	Co-Founder and GIS Analyst
Work Responsibilities	Idea conceptualization in the areas of Location Based Services (LBS) and Geographic Information System (GIS). Lead GIS and Mapping projects. Explore the use of latest technologies Drones, Mobile GIS and Virtual Reality. Lead and Conduct GIS and Map Literacy trainings to organizations. Build Partnership both at National and International level.
Employer Name	NAXA (Pvt.) Ltd. (www.naxa.com.np)
Type of business or sector	Private Ltd. Company- A geospatial Service Provider
Dates	Sept. 2016 - Current
Position held	Lab Coordinator
Work Responsibilities	Lead Aerial Mapping mission using different kind of Drones/UAVs. Support the incubation of local businesses around Robotics (mostly Aerial Robotics/ Drones) as -a service. Create partnerships with Local organizations, I/NGOs, Academic Institutions and government agencies. Contribute to Labs documentation, including joint funding proposals, project. Documentation and impact studies, grant deliverable.
Employer Name	Nepal Flying Labs (www.nepal.werobotics.org)
Type of business or sector	INGO

Dates	Feb. 2016 - Oct. 2017
Position held	Geomatics Engineering (Frontier Technologies)
Work Responsibilities	UAV Based Aerial mapping of Earthquake Affected areas. Build Ideas and Experiment the use of Frontier technologies like Virtual Reality, Mobile Mapping and contextualize the innovation in post-earthquake reconstruction works. Support internal Nepal specific processes including but not limited to program management reviews, airworthiness certification, governmental laws and restrictions. Resolve technical issues and to conduct effective engineering management and review, evaluation.
Employer Name	Build Change (www.buildchange.org)
Type of business or sector	INGO May 2013 – Oct. 2013

Dates	GIS Intern
Position held	
Work Responsibilities	Surveying and Mapping of Balephi Hydropower Develop Project Ideas and Proposals relating use of Drones in Surveying and Mapping Industry. GIS Data preparation for Interactive Web Mapping of Balephi Hydropower
Employer	Center for Excellence in Production and Transportation of Electrical Energy, Kathmandu University
Type of business or sector	Research Entity

CONSULTING WORKS

Consultant Title	GIS Consultant
Organization Details	VSO Nepal Project “Promoting Resilient and Sustainable Urban Growth by Augmenting DRR capacity of Local Authorities Through active private sector Involvement” being executed by: Consortium of DCA, ADRA Nepal, VSO
Consultant Tasks	Train municipality level staff and stake holders at Shankarapur and Changuarayan Municipality on the use of GIS, Open Street Map, Google Maps and their use in resource mapping, planning & risk identification at municipality level. Identify and Map Risks, Hazards and Vulnerabilities by conducting Digital Participatory Mapping at Durga Bhagawati Rural Municipality- Rautahat and Ward No. 5, Nilkantha Municipality- Dhading .

Consultant Title	Sr. GIS Trainer
Organization Details	Rural Access Program (RAP 3) –District Office : Achham Training Title : “Introduction and Applications of GIS in Engineering)
Consultant Tasks	Train RAP3 Engineers and Engineers from District Development offices on use of GIS in Mapping and Spatial Analysis.
Consultant Title	Sr. GIS Trainer
Organization Details	Sea Gate Training Institute –Pulchowk for Rural Access Program (RAP 3) –District Office : Jhapa Training Title : “Introduction and Applications of GIS in Engineering)
Consultant Tasks	Train RAP3 Engineers and Engineers from District Development offices on use of GIS in Mapping and Spatial Analysis.
Consultant Title	Sr. GIS Trainer
Organization Details	Verisk IT Nepal, Hattisar Training Title: “Basics of Mapping and Spatial Analysis using Geographical Information System
Consultant Tasks	GIS Training to Civil Engineering Team, Verisk IT.
Consultant Title	UAV Consultant
Organization Details	Kathmandu University, Department of Environmental Science & Engineering M. S. by Research in Glaciology faculty Project: “High Resolution Mapping of Ponkar Glacier in Manang using UAV images”
Consultant Tasks	Capture High Resolution Images of Ponkar Glacier using Drones. Process those images to generate Orthophoto maps and Digital Surface Models of the Glacier surface. Prepare and Submit project report along with necessary maps.

PRESENTATION (Intl’ Forums)

2018	Keynote Speech on the title “Use of Drones in Humanitarian and Social Good Contexts” during “AOYAMA VISION Crisis Mapping Conference” organized by the Crisis Mappers Japan, Furuhashi Laboratory at the Aoyama Gakuin University (AGU)
2017	Presentation on “Advancements in post-disaster reconstruction using mobile apps and drone technology” during an event hosted at Clinton foundation, New York by a joint effort of Clinton Global Initiative and Build Change
2017	Presentation on “Nepal Flying Labs: Getting to Scale - Bangkok, Thailand on November 14-15, 2017. Digital Technologies for Resilience, 2 Days workshop

organized by FHI 360 with funding and support from the Rockefeller Foundation and the United States Agency for International Development (USAID).

- 2017** **Presentation on “Nepal Flying Labs and Use of Drones for Social Good Projects in Nepal”** World Bank in Washington D.C. on 12 October 12, 2017. “World Bank Tech Fair -Bridging the Inclusion and Technology Divide” hosted by the World Bank.
- 2017** **Presentation on “Nepal Flying Labs and Use of Drones for Social Good Projects in Nepal” WeRobotics Global- Rockefeller Foundation** 1st June 2017 Annual event of WeRobotics, USA Hosted by the Rockefeller Foundation, New York and organized by WeRobotics, USA.
- 2016** Represented Build Change as **Impact Summit participant and Lenovo Think Revolutionist** to participate as a Panelist during Autodesk University 2016, Impact summit, Las Vegas, USA

HONORS AND AWARDS

- 2020** **Finalist** in the Humanitarian category of the AUVSI XCELLENCE Awards 2020 For Drones Optimized Therapy Systems (DrOTS)
- 2018** **Winner:** AUVSI XCELLENCE Humanitarian Operations Award 2018 for Drones based Landslide risk mapping project in an Earthquake affected Community in Nepal- Role of Uttam (Project manager & Technical lead- Nepal Flying Labs)
- 2014** **Winner:** International Space Apps Challenge Kathmandu 2014 organized by International Centre for Integrated Mountain Development and Young Innovations Pvt. Ltd
- 2014** **Winner:** Poster Presentation on Waste Management during the “Youth for smart solutions – A Conference on Climate Change” organized by Nepal Prakriti Pathshala in collaboration with Wildlife Conservation Nepal (WCN) and Danish Forestry Extension with support from Alternative Energy Promotion Center (March: 26-28)
- 2010** Scholarship for Undergraduate Course-Kathmandu University (75% of total fee)
- 2010** Scholarship for Undergraduate Course- Ministry of Public Administration
- 2010** Golden Jubilee Scholarship for Undergraduate Students of Nepal
This scholarship is awarded to only 25 meritorious Students of Nepal by Embassy Of India.
- 2008** High School Scholarship (100% on Admission and 50% on Tuition fees), Sagarmatha Multiple Campus.

PUBLICATIONS

Bhandari, B., Oli, U., Pudasaini, U., Panta, N., 2015. Generation of High-Resolution DSM Using UAV Images. FIG Working Week.

LANGUAGE

Language	Speaking	Reading	Writing
English	Good	Good	Good
Nepali	Native	Native	Native
Hindi	Fair	Fair	Fair

PROFESSIONAL ORGANIZATIONS

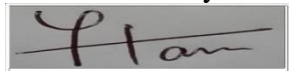
2013-2014 **Member,** Nepal Geomatics Engineering Society.
2010-Present **Executive Member,** Sagarmatha Alumni.
2013-2014 **President,** Geomatics Engineering Society-Kathmandu University
2010-2014 **General Member,** Kathmandu University Youth Red Cross Circle.

REFERENCES

Available upon request.

CERTIFICATION

I do solemnly affirm that the information contained here is correct to the best of my knowledge and belief. Any false statement on this application is subject to my disqualification & dismissal.



(Signature)

Uttam Pudasaini