

# Er. Ujjwal Koirala

## PERSONAL DATA

PLACE AND DATE OF BIRTH: Sankhuwasabha, Nepal | 08 sep 1990  
ADDRESS: Budanilkantha 10, Kapan, Kathmandu, Nepal  
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## WORK EXPERIENCE

April 2020	Jobs Sniper Pvt. Ltd., DEPARTMENT OF IT RECRUITMENT AND PLACEMENT, Baneshwor - 10, Kathmandu.
CURRENT	<i>Co - Founder.</i> Provide recruitment, training, and consulting services for various technical and management consultative assignments. Assess, review and evaluate the strategic reports, annual reports, related policies, procedures, and guidelines and make recommendations in the management of Jobs Sniper.
Jan 2021	Buxbyte Inc., DEPARTMENT OF ENGINEERING, Baneshwor - 10, Kathmandu.
CURRENT	<i>Chief Technology Officer.</i> • Strong programming skills in languages such as Python or R. • Proficiency in data manipulation and visualization tools like SQL, Pandas, and Matplotlib • Utilize advanced statistical and machine learning techniques to analyze complex datasets. • Develop and deploy predictive models and algorithms to solve business problems
Dec 2017	Smart Tech Nepal Pvt. Ltd., DEPARTMENT OF IT AND COMPUTER, Maitivei - 29, Kathmandu.
CURRENT	<i>Seniour IT Consultant.</i> • Managing the IT and Software Operations. • Project Planning and Scheduling • Familiar with Agile/Scrum Practices • Identify and manage risks • Preparing reports for clients
Aug 2017	NCIT, DEPARTMENT OF ELECTRICAL AND ELECTRONIC, Lalitpur.
CURRENT	<i>Major and Minor Project Supervisor.</i> Supervised more than 10 projects of Under Graduate students. Provide them invaluable guidance, when and where ever necessary in the process of the project work.
May 2017	Ullens School, DEPARTMENT OF STEM EDUCATION, Lalitpur.
APRIL 2019	<i>Robotics Teacher.</i> • Develop robotics and project-based learning curriculum for primary and lower secondary levels. • Facilitate robotics training for 9 to 13 age group students.
May 2017	Pokhara University, FACULTY RESEARCH GRANTS (FSY-2073-74), Pokhara.
SEPT 2018	<i>Faculty Research Grants for affiliated Colleges, IOT Based Smart Agriculture System, Research Faculty.</i>
April 2017	Nepal Army, BOMB DISPOSAL UNIT, Gauchar, Airport.
NOV 2017	<i>First Nepali Bomb Disposal Robot (GAURAV 2.0/3.0) Makers, Team Member.</i>
Feb 2015	Teach For NEPAL, Jamal, Kathmandu
APRIL 2017	<i>Teach For Nepal, Partner in Global Education Network Teach For All, Fellow.</i> Selected as one of 7 percentage of the applicant for fellowship program to push academic achievement of students to clear secondary school level in nepal. Providing rigorous mathematical problem solving instructions to around 200 students and designing and implementing 2-years Learning plan for them.

## EDUCATION

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- 2018- 2020 Graduate Degree in BUSINESS ADMINISTRATION  
From *KING'S College, Westcliff University*, Nepal  
Specialization: "MBA in Entrepreneuership" | Mentor: SUSHANT RIJAL  
Thesis: "Stock Market Prediction Using Machine Learning Algorithm  
Based on Recurrent Neural Network" | Supervisor: ASST. PROF. UPASHNA ACHARYA  
GPA: 3.82/4 | [Master in Business Administration](#)
- 2015- 2019 Graduate Degree in COMPUTER ENGINEERING  
From *NCIT, Pokhara University*, Nepal  
Thesis: "Analysis of Soil Properties and Climate Data to Predict Crop Yields  
Using LSTM Recurrent Neural Network." | Supervisor: PROF. DR. SASHIDHAR RAM JOSHI  
Research Project: "IoT based Smart farming system " | Advisor: NIRANJAN KHAKUREL  
GPA: 3.48/4 | [Master in Engineering](#)
- DECEMBER 2014 Undergraduate Degree in ELECTRONIC AND COMMUNICATION ENGINEERING  
From *NCIT, Pokhara University*, Nepal  
Project: "Android and PLC based Home Automation System" | Advisor: HIMAL ACHARYA  
GPA: 3.04/4 | [Bachelor in Engineering](#)
- APRIL 2010 Intermediate Degree in ELECTRONIC ENGINEERING  
From *Thapathali Engineering, Tribhuvan University*, Nepal  
Project: "Digital clock with Digital Thermometer" | Advisor: SANTA MAHARJAN  
PER: 74/100 (74<sup>th</sup> percentage) | [Diploma in Engineering](#)

## FURTHER EDUCATION

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- June 2020* Palo Alto Networks Cybersecurity, PALOALTO CYBERSECURITY ACADAMY, Coursera, Specilization.  
*NOV 2020* *Five Course Specialization Covered .*  
Cybersecurity Foundation • Cybersecurity Gateway I • Cybersecurity Gateway II • Cybersecurity Essential I and II
- June 2020* Machine Learning Specilization, DEEPLARNING.AI, Coursera, Specilization.  
*OCT 2020* *Four Course Specialization Covered .*  
Neural Networks and Deep Learning • Deep Neural Network and Hyper parameters Tuning. • Machine Learning Projects
- May 2020* Project Management Principles and Practices, UNIVERSITY OF CALIFORNIA, Coursera, Specilization.  
*SEP 2020* *Four Course Specialization Covered .*  
Initiating and Planning Projects • Budgeting and Scheduling Projects • Managing Projects Risks and Changes
- June 2020* IoT and Embedded System Design, UNIVERCITY OF CALIFORNIA, IRVINE.  
*OCT 2020* *Coursera.*  
Introduction to the IOT and Embedded System Design
- June 2020* Nanotechnology, TECHNION ISRAEL INSTITUTE OF TECHNOLOGY.  
*OCT 2020* *Coursera, Two Specialization Courses Covered .*  
Nanotechnology and Nanosensors, Part 1 • Nanotechnology and Nanosensors, Part 2
- July 2020* Educational Design, JOINT PROGRAM BY UNIVERSITY OF LONDON AND THE UNIVERSITY OF CHICAGO.  
*NOV 2020* *Coursera, Three Specialization Courses Covered .*  
e - Learning Ecologies: Innovative Approaches to Teaching • What Future for Education • Critical Issues in Urban Education

## SPECIFIC EDUCATION DEGREE

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- 2023- 2024    Master in Educational Science in DIGITAL PEDAGOGY  
From *Open and Distance Education Centre, Tribhuvan University, Nepal* | HAMK University, Finland  
Specialization: “Digital Education” | Mentor: DR. BED PARSHAD DHAKAL  
Thesis: “Transforming Nepalese Education with AI:  
Contextualized Learning for Enhanced Academic Success” | Supervisor: ASST. PROF. ROM KANTA PANDEY  
GPA: Running | [Master in Education](#)
- 2015- 2017    Post Graduate Diploma in EDUCATION  
From *Department of Education, Central Department of TU, Tribhuvan University, Nepal*  
Specialization: “Special Needs Education” | Mentor: DR. JANARDHAN GHIMIRE  
Thesis: “An Overall Report of Teaching Practice:  
A Practicum Report under Special Needs Education” | Supervisor: GANESH KHANAL  
GPA: 3.0/4 | [One Year Bed.in Education](#)

## SPECIAL CERTIFICATION

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- May 2023    Inclusive Education Fellowship, TEACH FOR ALL, USA + OAK Foundation, New Zealand.  
OCT 2023    *Area of Specialization: Importance of STEAM Education in School Education*.  
                 • Culturally Sustaining Pedagogy • Universal Design for Learning (UDL) • Metacognition • STEAM Education
- Feb 2022    Certified Skill Test Assessor, NATIONAL SKILL TESTING BOARD (NSTB), CTEVT, License.  
FEB 2025    *Area of Specialization: Electronic and Communication Engineering*.  
                 Circuit Design and Testing • Internet of Things • PCB Etching and Soldering • Embedded System Design and Coding
- Feb 2021    Management and Leadership Training for TEVT Professionals, TITI, CTEVT, (30 Days Training)  
MARCH 2021    *Major Outcomes*.  
                 Fundamental Management Concept • Overview of Planning. • HR Functions in TEVT • MBWA • Practicum Report

## SEMINAR AND CONFERENCES

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- JUNE - Sep 2020    Mentor, 3 months long business plan mentor-ship program for Under 25 girls entrepreneur.  
OCT. 2018    3 days workshop “Do Camp - Innovation for Impact”, Bucsbin Symposium, King’s College.  
MAY. 2016    Attended - Global Conference of Teach for All in Malaysia, Date of completion (2nd - 5th).

## SCHOLARSHIPS AND CERTIFICATES

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- MARCH. 2018    Received full scholarship under , “Teach For Nepal – King’s College Public Service Scholarship” .  
AUG. 2014    Amateur Radio Operator.  
JUNE. 2014    TOT for Solar Electric Technician, Alternative Energy Promotion Center (AEPC).  
APRIL. 2014    Participated in the workshop on CCNA and Network Security, NCIT, Lalitpur.  
MARCH. 2014    First Position in Military Science and Technology Competition (MSTC 1).  
JULY. 2013    Participated in the workshop on Embedded Linux RTOS, NCIT, Lalitpur.  
MARCH. 2013    Second Position in International Autonomous robotics Challenge (iARC), IIT, Kanpur.  
FEB. 2013    Scholarship for faculty topper in fifth semester.  
FEB. 2011    Scholarship for faculty second topper in second semester.

## LANGUAGES

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- NEPALI:    Mother tongue  
ENGLISH:    Fluent  
HINDI:    Basic Knowledge

## COMPUTER SKILLS

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Basic Knowledge: WINDOW OS, LINUX, ubuntu,  $\text{\LaTeX}$   
Intermediate Knowledge: Excel, Word, PowerPoint  
Programming Knowledge: C, C++, Basic Java, Python, Assembly Language, Microprocessor, Microcontroller

## INTERESTS AND ACTIVITIES

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Technology, Open-Source, Programming, Robot Making  
Teaching, Project Supervising, Mentoring  
Playing Football, Travelling, Reading Books

## REFERENCES

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[Er. Niranjan Khakurel](#)  
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Nepal College Of Information Technology  
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[Er. Shailendra Jha](#)  
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City Planning Commission, KMC  
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