



Curriculum Vitae

Bikalpa Dhakal

📍 Shuklagandaki-1, Tanahun, Nepal
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Date of birth 19th October 1997
Gender Male
Nationality Nepali

Online Profiles

GitHub github.com/theoctober19th
LinkedIn linkedin.com/in/theoctober19th
Website bkalpa.com.np

Technical Skills

Android Application Development

React Native, Java, Kotlin, XML, Android Studio, Firebase

iOS Application Development

React Native, Swift, XCode, Firebase

Web Backend Development

Java, Spring MVC, JSP, Hibernate, Maven, REST
Python, Django, REST

Web Frontend Development

React JS, Bootstrap, HTML5

IoT Programming

Arduino, Raspberry Pi

Non-Technical Skills

ICT Project Management

Fluent English Communication

Education

Program **Bachelor of Engineering in Computer Engineering (BECE)**
Campus Nepal College of Information Technology, Lalitpur
University Pokhara University, Nepal
Date 2015 - Present

Work Experience

Title	Full Stack Developer (Python, JavaScript)
Company	Treasure Nepal Pvt. Ltd., Lagankhel, Lalitpur
Achievements	Developed REST API and Android/iOS applications for Treasure Nepal – an interactive treasure hunt application
Duration	September 2019 - Present
Title	Java Spring Intern
Company	Digi Nepal Pvt. Ltd., New Baneshwor, Kathmandu
Achievement	Developed Payroll Management System using Spring Framework
Duration	January 2019 – March 2019 (3 months)

Publications

Title	Optimization of Range Queries using Segment Trees
Presented to	9 th National Students' Conference on Information Technology (NaSCoIT 2018)
Date	29 December 2018

Training/Workshops

Topic	2nd National Workshop in Machine Learning and Data Science
Date	10 – 14 July, 2019
Duration	5 days
Areas covered	Supervised Learning, Unsupervised Learning, Reinforcement Learning, various ML algorithms for different categories and their implementation using Python
Organizer	Machine Learning and Data Science Nepal (MLDSN)
Topic	Big Data Technology
Date	July 2019 - Present
Duration	4 months
Areas covered	Apache Hadoop, HDFS, Map Reduce, NoSQL, MongoDB, HBase, Elastic Search
Institute	Nepal College of Information Technology
Topic	Big Data Workshop
Date	29-30 June, 2018
Duration	2 days
Areas covered	Apache Hadoop, HDFS, Map Reduce, Linux Shell and commands, Pig, NoSQL
Organizer	Pulchowk Engineering Campus and IEEE Nepal Subsection in association with IIT Delhi
Topic	Python and Django
Date	July – November 2018
Duration	4 months
Areas covered	Back end web development with Django Framework, front end design with HTML5, Bootstrap, JavaScript and jQuery, REST framework
Institute	Broadway Infosys Nepal

Topic	Advanced Java and Web Technology
Date	November 2018 – March 2019
Duration	4 months
Areas covered	Core Java, Java EE, Servlets, JSP, Spring MVC, Maven, Hibernate
Institute	Nepal College of Information Technology
Topic	IP Switching and Routing
Date	July – September 2019
Duration	3 months
Areas covered	IP addresses, Subnet, Routers, Switches, Static and Dynamic routing and protocols, Telnet, SSH, MPLS, Network Security, CISCO router setup, VLAN, VPN
Institute	Nepal College of Information Technology
Topic	Ethical Hacking Workshop
Date	18 – 19 September, 2018
Duration	2 days
Areas covered	Social Engineering, IP addressing, Phishing, Keylogging, SQL injection, Network Scanning, Spywares, Steganography, Daisy Chaining
Trainer	MakeIntern India in association with Indian Institute of Technology, Kharagpur

Participations and Awards

Event	Everest Hack 2019
Date	17-19 July, 2019
Accomplishment	First Prize; Best Innovation Award
Organized at	Naaya Ayam Multi-Disciplinary Institute, Gokarneshwor, Kathmandu
Event	Srijana: The Innovation
Date	13-14 July, 2018
Accomplishment	First Prize in Software Project Competition
Organized at	Advanced College of Engineering and Management, Kupandole, Lalitpur
Event	Yatra 1.0
Date	17-18 February, 2018
Accomplishment	First Prize in Software Project Competition
Organized at	National College of Engineering, Satdobato, Lalitpur
Event	Sagarmatha Techno-Fest 2019
Date	20-22 June, 2019
Accomplishment	Second Prize in Hackathon
Organized at	Sagarmatha Engineering College, Sanepa, Lalitpur.
Event	9th National Students' Conference on Information Technology (NaSCoIT) 2018
Date	29 December 2018
Accomplishment	Presented a paper on 'Optimization of Range Queries using Segment Trees'
Organized at	Park Village Resort, Budhanilkantha, Kathmandu

Major Projects

ChaTeX: An Android Math Chat Application	
Description	An android application tailored for students and scholars where they can exchange text as well as mathematically typeset equations during chat.
Technologies Used	Java, Android, Google Firebase
Nagarik Badapatra	
Description	An android application that aims to digitize the Nagarik Badapatra available at different government offices, and provide information regarding the services provided by the office.
Technologies Used	Java, Android, Spring, REST
Osaar Pasaar	
Description	An android application that aims to establish a platform that enables people to find pickup van / trucks nearby them and hire them in order to transport goods, change flats and more.
Technologies Used	Java, Android, Spring, REST
Treasure Nepal	
Description	An android application developed for a treasure hunt game where the users will navigate to and collect various treasures hidden at different tourist destinations in Nepal.
Technologies Used	React Native, Django, REST

References

Mr. Niranjana Khakurel	
Principal	
Nepal College of Information Technology	
Email	niranjana@ncit.edu.np
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I hereby declare that the details furnished in this CV are true to my knowledge.



Bikalpa Dhakal