




Curriculum Vitae

Personal Information

Bikalpa Dhakal

 Shuklagandaki-1, Tanahun, Nepal

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Date of birth 19th October 1997

Gender Male

Nationality Nepali

Objective

To find internship or job placement in field of **android application development** or **web application development**.

Education

Program **Bachelor of Engineering in Computer Engineering (BECE)**

Principal subjects covered Programming concepts in **C, C++, C#.NET, Java, Python** and **MATLAB**; Data structures and Algorithms; Numerical analysis methods; Applied Mathematics; Probability and Statistics; Digital Logic; Electronic Devices, Circuits and Theories; Physics; Chemistry; Electrical and Electronic engineering concepts; Microprocessors; Database Management Systems; Operating Systems; Embedded Systems Design; Computer Graphics; Computer networks and communication; Image Processing; Pattern Recognition and Artificial Intelligence

Campus Nepal College of Information Technology, Balkumari, Lalitpur

University Pokhara University, Pokhara, Nepal

Date 2015 - Present

SGPA 4.0

Technical Skills

Android Application Development

Primary Technologies Java, XML, Android Studio, Git, Firebase

Accomplishments Worked with team members for the development of *ChaTeX* – an android chat application that extends the feature of existing chat applications by letting users to send mathematical equations and expressions in their natural form along with text messages, which also won first prize in two major software competitions.

Web Application Development

Primary Technologies Python, Django, HTML, CSS, JavaScript, jQuery

Accomplishments Developed a few web application and websites as a full stack developer using Django framework as backend and HTML in front end.

Robotics and Automation

Primary Technologies Raspberry Pi, Arduino

Accomplishments Developed several hobby projects using Arduino and Raspberry Pi, including robotic car, motion detectors, etc.

Competitive Programming

Languages used C++, Java, Python

Accomplishments Participated in college level as well as national level programming contests
(HackerRank Profile: <https://www.hackerrank.com/theoctober19th>)

Participations and Awards

Competition	Yatra 1.0, organized by National College of Engineering on February 17 and 18, 2018
Accomplishment	First Prize in Software Competition
For the project	ChaTeX: A LaTeX Based Android Math Chat Application
Competition	Srijana The Innovation, organized by Advanced College of Engineering and Management on July 13 and 14, 2018
Accomplishment	First Prize in Software Competition
For the project	ChaTeX: A LaTeX Based Android Math Chat Application

Training

Date	July 2018 - Present
Topic	Python and Django Training
Areas covered	Back end web development with Django Framework, front end design with HTML5, Bootstrap, JavaScript and jQuery, REST framework
Name of organisation providing education	Broadway Infosys Nepal
Date	18 – 19 September, 2018
Topic	Ethical Hacking Workshop
Days/Hours completed	2 days
Areas covered	Social Engineering, IP addressing, Phishing, Keylogging, SQL injection, Network Scanning, Spywares, Steganography, Daisy Chaining
Name of organisation providing training	MakeIntern India in association with IIT Kharagpur
Date	July - September, 2018
Topic	IP switching and Routing
Course 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
Name of organisation providing training	Nepal College of Information Technology
Date	29-30 June, 2018
Topic	Big Data Workshop
Days/Hours completed	2 days
Areas covered	Apache Hadoop, HDFS, Map Reduce, Linux Shell and commands, Pig, NoSQL
Name of organisation providing training	Pulchowk Engineering Campus and IEEE Nepal Subsection in association with IIT Delhi

Others

Languages	Nepali, English and Hindi
Personal Interests	Competitive Programming, Problem Solving, Travelling, Watching Movies, Listening Music

References

Mr. Nirajan Khakurel, Principal, Nepal College of Information Technology.

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I hereby declare that the details furnished in this CV are true to my knowledge.

Bikalpa Dhakal