

RITESH PRADHAN

PERSONAL DATA

PLACE AND DATE OF BIRTH: Kohalpur, Banke, Nepal | 04 April 1989
ADDRESS: Gongabu-3, Kathmandu, Nepal
PHONE: +977 9841045959
EMAIL: ritesxz@gmail.com
WEBSITE: www.riteshp.com.np

EDUCATION

DECEMBER 2011 Bachelor's in COMPUTER ENGINEERING
(Topper) *with Distinction*, **Institute of Engineering**, Lalitpur
Thesis: "OCR using Radon Transformation" | Advisor: Dr. Prof. Shashidhr Ram JOSHI
GPA: 8.23/10

JULY 2007 High School Degree in SCIENCE (PHYSICS)
1/400 (Topper) *with Distinction*, **Pinnacle Academy**, Lalitpur
GPA: 8.52/10

JUNE 2005 School level at **Ram Janaki Secondary School**, Banke
(Ranked 15th in whole Nepal) *with Distinction*
GPA: 8.86/10

PROFESSIONAL SKILLS

- Python, C, C++, C# .Net
- HTML, PHP, JavaScript, CSS, Flask
- Mobile Developement (*Cocos2d-x, Unity, Phonegap*)
- CMS (*Drupal, Joomla, Wordpress*)
- SQL Databases (*MySQL, MsSQL, SQLITE*), NoSQL database(*MongoDB*)
- Octave, Matlab, Assembly Language(*8085 and 8086 microprocessor*)
- Operating System (*Windows, Linux, FreeBSD, OSX*)

ACADEMIC PROJECTS

2011 (BE 8th Semester) "OCR using Radon Transformation" using c# .Net (Major Project)
2010 (BE 6th Semester) "Virtual Tour" using 3D Max and Ogre 3D engine (c++) (Minor Project)
2010 (BE 6th Semester) "Fantasy League" in PHP, MySQL, js, css (Database Project)
2010 (BE 6th Semester) "Rocket Launcher Simulation" in C++ (Computer Graphics Project)
2008 (BE 3rd Semester) "Tetris game" in C++ (C++ Project)
2007 (BE 1st Semester) "Matrix" in C (C Project)

OTHER PROJECTS

2014 "TakTak picture puzzle" Puzzle game for Android and IOS (Cocos-2Dx)
2013 "Codeskulptor games" Pong, Blackjack, Memory-pic, Asteroids (Python)
2013 "udacity-dl" python package to download udacity lessons. (pip)

WORK EXPERIENCE

Current DEC 2009	<p>Computer Engineer at LOGPOINT, Lalitpur <i>Logpoint (Immune ApS Nepal)</i></p> <p>Security Information and Event Management (SIEM) application development. Involved in developing backend applications in Python, C and C++.</p> <p>Accomplishments:</p> <ul style="list-style-type: none">● Netflow(protocol by Cisco) and Sflow collector application for IP applications, including network traffic accounting, usage-based network billing, network planning, security, Denial of Service monitoring capabilities, and basically for network monitoring and defense against security threats using Python as well as C.● SDEE(Security Device Event Exchange) and IPS (Intrusion Prevention System) fetcher application for communicating and analyzing the events generated by Cisco IPS devices or other security devices.● MongoDB(pymongo , mongokit ORM) is used for database management.● Development of log collection applications using FTP, SCP, IPS SDEE, NETFLOW, SYSLOG, using python and C.● Writing python APIs for integrating different engines in LogPoint.● Packaging of python applications for ubuntu and mac.● Development of Logpoint Agent (windows) and its applications. (Integrity Monitor, Integrity Scanner, Filesystem Collector)● Test automation of different engines of LogPoint using ROBOT test framework.
OCT 2011 JAN 2011	<p>Media Co-ordinator at LOCUS <i>LOCUS, Institute of Engineering</i></p> <p>Co-ordinated the media sector for the "8th National Technological Festival". Managed the coverage of LOCUS on various FM's, Television Channels, Newspapers and Magazines.</p>
DEC 2013 NOV 2011	<p>Faculty Member at ORION INSTITUTE, Lalitpur <i>(as a teaching volunteer)</i></p> <p>Taught Physics and Mathematics to the high school students. Tutor of tutorial classes of those subjects.</p>

SCHOLARSHIPS, HONORS, AND AWARDS

2011	Free Student's Union TOPPER Award (BE)
2007 - 2011	Golden Jubilee Scholarship for Undergraduate Students, by Indian Embassy
2007 - 2011	General Full Scholarship(BE), Institute of Engineering
2005 - 2007	Mahatma Gandhi Scholarship for High School Students
2005 - 2007	Full Scholarship at High School, Pinnacle Academy, Lalitpur
2007	Award of Excellence by Ministry of Education & Sports

LANGUAGES

NEPALI:	Mother tongue
ENGLISH:	Fluent
HINDI:	Fluent

INTERESTS AND ACTIVITIES

Computer Security, Machine Learning, Artificial Intelligence, Data Mining, Travelling