

Curriculum – Vitae

Introduction

1. Name : Ashok Kumar Pant
2. Date of Birth : 29th April 1987
3. Nationality : Nepali
4. Marital Status : Single
5. Sex : Male
6. Address : Kathmandu
7. E-mail : ashokpant87@gmail.com
8. LinkedIn Profile : <https://np.linkedin.com/in/asocapant>
9. Languages : Nepali, English, Hindi



Interests:

Machine Learning, Deep Learning, Computer Vision, Pattern Recognition, Natural Language Processing, Sound Processing, Artificial Intelligence, Photography.

Academic Qualification:

<u>S. N.</u>	<u>Qualification</u>	<u>Year of Completion</u>	<u>Subject of Priority</u>	<u>Educational Institution</u>	<u>Division</u>
1.	M.Sc.	2012	Computer Science	Central Dept. of Computer Science & IT, Kirtipur, Nepal (TU)	Distinction
2.	B.Sc.	2008	Computer Science	Siddhanath Science Campus Mahendranagar, Kanchanpur, Nepal (TU)	Distinction
3.	P.C.L.	2005	Physical Science	Siddhanath Science Campus Mahendranagar, Kanchanpur, Nepal (TU)	First
4.	S.L.C.	2002		Hunainath Secondary School, Ratamata, Darchula, Nepal	First

Publications:

1. Shailesh Acharya, Ashok Kumar Pant, Prashnna Kumar Gyawali, “*Deep Learning Based Large Scale Handwritten Devanagari Character Recognition*”, 9th International Conference on Software, Knowledge, Information Management & Applications, Kathmandu, Nepal, 15 -17 December 2015.
2. Ashok Kumar Pant, Prashnna Kumar Gyawali, Shailesh Acharya, “*Automatic Nepali Number Plate Recognition with Support Vector Machines*”, 9th International Conference on Software, Knowledge, Information Management & Applications, Kathmandu, Nepal, 15 -17 December 2015.

3. Pant AK., Yadav A, “*Sentiment Analysis on Nepali Movie Reviews using Machine Learning*”, Researcher CAB, A journal for Research and Development, vol. 1, no. 1, pp. 89-97, 2014.
4. Pant AK., Panday SP., Joshi SR. “*Off-line Nepali Handwritten Character Recognition Using Multilayer Perceptron and Radial Basis Function Neural Networks*”, Third Asian Himalayas International Conference on Internet AH-ICI2012, Kathmandu, Nepal, 24 November 2012.

Awards:

1. Employee of the Month Award (TekTak Nepal), June 2014.
2. Most Creative Employee Award (TekTak Nepal), 2013.
3. UGC Faculty Research Grant Award, 2013.
4. Research Grant for Master’s Thesis (NAST), 2011.

Research Experiences:

1. Handwriting Recognition
 - a. Automated Nepali Handwritten Document Recognition (UGC Faculty Research Grant Award, 2012).
 - b. Off-Line Nepali Handwritten Character Recognition Using Artificial Neural Networks (Master’s Thesis).
 - c. Optical Character Recognition for Devanagari Script (B.Sc. Project) (Supervised).
2. Natural Language Processing
 - a. Event Extraction and Time Normalization
 - b. Automated Spam Filtering for Nepali Text Documents.
 - c. Automated Named Entity Recognition for Nepali Language.
 - d. Automated Text Summarization (Nepali – English).
 - e. Automated Text Classification for Nepali Language.
 - f. Information Retrieval from Documents (Web Links, Text Documents).
 - g. Automated Document Tagging.
 - h. Part of Speech Tagging, Sentiment Analysis.
3. Sound and Speech
 - a. Voice Synthesis
4. Network and Security
 - a. Distributed Denial of Service Attack and Flash Crowd Detection Using Artificial Neural Networks.
5. Image Processing and Computer Vision
 - a. Face Recognition
 - b. Number Plate Recognition
 - c. Finger Print Recognition
 - d. Generic Object Detection
6. Multimedia
 - a. Video Encoding Decoding
 - b. Video Streaming
7. Graph and Simulation
 - a. Unit Distance Graph Coloring
8. Telco Cloud (Cloud Based Telecommunication)
9. Seminars:
 - a. Visual Surface Detection Algorithms.
 - b. Face Recognition with Principal Component Analysis.
 - c. Training Free Object Detection Using Regression Kernel.

Work Experiences:

1. Sr. Biometrics Software Engineer at TekTak Nepal Pvt. Ltd, Chabahil-7, Kathmandu, Nepal.	Oct 2013 – Oct-2015
2. Software Developer at Designco (Nepal) Pvt. Ltd, Thapathali, Kathmandu, Nepal.	2011-2013
3. Lecturer (Part Time): Amrit Science Campus (ASCOL), Kathmandu, Nepal.	May 2012 - Aug 2012
4. Lecturer (Part Time): New Summit College, Kathmandu, Nepal.	May 2012 - Jan 2013

Projects:

Preferred Languages and Tools: C/C++, Java, Scala, MATLAB, python, html5, JavaScript, Latex

1. Face Recognition System	C/C++, MATLAB	TekTak Nepal
2. Face Detection System	C/C++, MATLAB	TekTak Nepal
3. Information Retrieval from Documents(Web-Links, Text Documents)	Java	
4. Multi-Class Document Classification	Java	
5. Nepali Named Entity Recognition System	Java	
6. Text Summarizer	Java	
7. Nepali handwritten Character Recognition System	MATLAB	
8. Project: Payroll System	Java, Oracle	Designco (Nepal)
9. Project: TU Marksheet Printing System (TMPS)	Java, Oracle	Designco (Nepal)
10. Project: Transcript Printing System	ASP.Net, MS-SQL	
11. Unit Distance Graph Coloring	MATLAB	

Last Updated: Jan 10, 2016