

PERSONAL INFORMATION

Pranab Jung Rana



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Sex Male | **Date of birth** 10 Mar 1983 | **Nationality** Nepalese

WORK EXPERIENCE

2013–2014

Internship

Fausto Giunchiglia, University of Trento, Trento (Italy)

<http://disi.unitn.it/~fausto/>

Research: During this period I worked on trust and reputation system for crowdsourcing content. Various trust and reputation systems present in the current scenario were analysed so that we could come up with a final robust model which dealt with all the aspects of trust and reputation system.

17 Jul 2010–31 Aug 2011

Assistant Coordinator

Kantipur City College, Kathmandu (Nepal)

- Coordinating the day to day activities of the department.

28 Apr 2010–31 Aug 2011

Assistant Lecturer

Kantipur City College, Kathmandu (Nepal)

- Gave lectures on courses such as *Data Structures and Algorithm*; *Knowledge Organization and Information Access*; programming languages like C, C++, Visual Basic etc.

10 Aug 2009–31 Aug 2011

PHP Programmer

Rose Computers, Kathmandu (Nepal)

- Web Development in PHP/MySQL, HTML, CSS
- Manage existing websites

4 Mar 2009–28 Mar 2010

Teaching Assistant

Kantipur City College, Kathmandu (Nepal)

EDUCATION AND TRAINING

Sep 2011–Dec 2014

Master of Science in Computer Science

University of Trento, Trento (Italy)

<http://www.unitn.it/>

Specialization: *Software Design and Engineering*

- Specialization courses include Human Computer Interaction, Organizational Information system, Requirement Engineering and computer Supported Co-operative Working.
- Other courses include Data and Information Integration, Laboratory of Business Process Management and Integration, Information Technology and Intellectual Property, Network Security, Logic, Formal Languages and Compilers, Programming Languages: Semantics.

Thesis Title: *Using Crosswords for Knowledge Maintenance*

Supervisor: Prof. Fausto Giunchiglia Co-Supervisor: Aliaksandr Autayeu

- In the thesis, we tried to address the problems faced by one of the integral parts of Knowledge Management process, Knowledge Maintenance, by implementing a GWAP (Crosswords game) to update the knowledge repository. The Crosswords game was developed under CUBRIK framework and it implemented algorithms that used the player feedback for knowledge maintenance.

Course Works:

- *Smart Campus System:*
 - Web application project for the Human Computer Interaction course.
 - Objective was to propose an application to simplify the process of accessing information for the students.
 - The proposed app was PinBoard which was a virtual substitution of the traditional notice boards in the university.
 - Tools used for prototype: HTML, CSS, Photoshop.
- Analysis of the business processes for Sunshine Solar Power Company for the *Organizational Information System* course. Tools used: Eclipse, Microsoft Excel.
- Requirement Analysis for Youth Hostel Management System for *Requirements Engineering* Course.

2004–2008

Bachelor in Information Technology

Kantipur City College (Affiliated to Purbanchal University), Kathmandu (Nepal)

Main Subjects: Distributed System, System Analysis & Design, Digital Logic, Knowledge Organization & Information Access, Multimedia Systems, C programming, Data Mining & Data Warehousing, Operating System, Database Management System, E-Commerce, Computer Network

Final Course Project:

- Developed an e-commerce website using HTML, CSS, PHP/MySQL and JavaScript.

PERSONAL SKILLS

Mother tongue(s) Nepali

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
TOEFL (CBT)					
Hindi	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience during my job as Assistant Coordinator.

Organisational/ managerial skills

- Team Work (I have worked in various project teams during my Masters courses).
- Mediating skills (During my job as assistant coordinator I had to mediate with the faculty members and the students).

Digital competence

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Proficient user

Digital competences - Self-assessment grid

▪ **Languages:**

- Hands on experience in programming languages like C, C++ and Visual Basic.
- Hands on experience in scripting language like HTML/CSS and PHP.
- Good Knowledge of JavaScript

Frameworks:

- Good Knowledge of AngularJS.
- Good knowledge of Bootstrap.

DBMS:

- Good Knowledge of database like Access, MySQL.

Design:

- Good command of photo editing software such as Adobe Photoshop and Adobe Photoshop Lightroom as an amateur photographer.

Others:

- Knowledge of GruntJS task runner.
- Good command of office suite (word processor, spread sheet, presentation software).
- Familiar with Github, Wordpress, Python.

ADDITIONAL INFORMATION

Projects

- AngularJS
 - https://github.com/pranabjr/music_store.git
 - https://github.com/pranabjr/gapco_company.git

Workshops

- Participated in the following workshops:
- Grafik Week, April 2015, University of Trento, Italy
 - RHoK Trento - Random Hacks of Kindness, December 2012, University of Trento, Italy