

Amendra Shrestha

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Results-driven software engineer with professional experience in data analysis and production engineering. Able to perform data analysis, predictive modeling and provide risk analysis solutions.

PROFESSIONAL SUMMARY

- Sound knowledge of database design techniques: ER and Normalization.
- Ability to work with Java programming with 1 year professional experience.
- Familiarity with Agile Methodology, Test-Driven Development and Design Patterns.
- Experience in Software development life cycle.
- Good knowledge of algorithms and data structures.
- Solution-oriented person and a rapid learner with excellent communication and interpersonal skills.

EDUCATION:

Master of Science in Computer Science

Uppsala University, Uppsala, Sweden

September 2010 - January 2013

University of Copenhagen, Denmark (exchange student)

September 2011 - January 2012

Bachelor of Engineering in Computer Science

Kathmandu University, Dhulikhel, Nepal

August 2004 - July 2008

RELEVANT WORK EXPERIENCE:

Project Assistant

February 2013 - current

Uppsala University, Uppsala, Sweden

- Data mining and linguistic analysis to detect social media users with multiple aliases.
- Member of Security Group at the Department of Information Technology, Uppsala University.

Degree Project Worker

August 2012 - January 2013

Uppsala University, Uppsala, Sweden

Master thesis work on Visualizing and Analyzing users on discussion boards.

- Investigated available toolkits for visualizing large set of social media data.
- Created a parser in Java for parsing large RDF files and inserted parsed data into normalized MySQL tables.
- Developed an interactive information visualization prototype capable of visualizing and analyzing users who were active in a discussion board.
- Experiment the hypothesis with SIOC datasets (Boards.ie Dataset).

Data Analyst/ Production Engineer

September 2008 - August 2010

D2Hawkeye Services Pvt. Ltd. Subsidiary of Verisk Health Inc. USA, Kathmandu, Nepal

- Developed SQL/Oracle scripts for performing data analysis, predictive modeling and risk analysis solution to the clients across the healthcare spectrum (MS SQL 2005/2008, Oracle 10g).
- Worked in a group with the Scrum software development process. Optimized code with peer reviews and conducted unit testing, integration testing, and compatibility testing.
- Implemented major improvements in automation of importing/exporting data and data integrity checks. This helped to improve the productivity of the team by 30%.
- Importing the raw data of US health care into systemized tables, analyzing the data and extracting the useful information and makes it ready for delivering to the client in the form of formal web interface.

Intern

May 2008 - August 2008

Bikalpa Catalyst, Kathmandu, Nepal

- Designed & implemented “Project Management System” which is responsible for analysis and dividing the work token to different workers within the office. (Java and MySQL).

TECHNICAL SKILLS:**Languages:** PHP, Java, C**Database:** MS SQL Server 2005/2008, Oracle 10g, MySQL, MS Office Access**Internet & Communication:** HTML, JavaScript, VBScript, CSS, XML, JSON**Design:** Photoshop, Adobe Illustrator**Building Tools:** Maven**Web Services:** RESTful**PUBLICATIONS:**

- F. Johansson, L. Kaati, A. Shrestha. *Detecting Multiple Aliases in Social Media*, In proceedings of International Conference in Social Network Analysis and Mining (FOSINT) 2013.
- A. Shrestha. *A Tool For Visualizing and Analyzing Users on Discussion Boards*, Poster at European Intelligence and Security Informatics Conference (EISIC) 2013. doi={ [10.1109/EISIC.2013.60](https://doi.org/10.1109/EISIC.2013.60) }
- M. Faouzi Atig, L. Kaati, A. Shrestha, S. Cassel. *Author Recognition in Discussion Boards*, Poster at National Symposium on Technology and Methodology for Security and Crisis Management (TAMSEC) 2013

ACADEMIC PROJECTS:

- E-Commerce webpage – Online Shop (PHP and MySQL).
- To Do Manager – managing list of to do lists (Java and XML).
- KU Departmental Store – desktop application dealing with storing information, searching goods and billing the sold items of departmental store (Visual Basic and MS Office Access)

AWARDS AND HONOURS:

- Best Poster Award in European Intelligence and Security Informatics Conference 2013
- Gästrike-Hälsinge Nation stipend from Uppsala University for Fall Semester 2012.
- Blomquist stipend from Gästrike-Hälsinge Nation, Uppsala, Sweden.
- Nordplus scholarship from International Office Uppsala University, Uppsala, Sweden.

VOLUNTEERING ACTIVITIES:

- Local Arrangement Chair at EISIC 2013 held at Uppsala University, Uppsala, Sweden.
- Support Staff in an international research evaluation conducted by Uppsala University on 2011.
- KUCC Volunteering - Photoshop tutor for the Computer Education to local student of Dhulikhel, organized by Kathmandu University Computer Club.
- Designer - Student Welfare Council, Kathmandu University.

REFERENCES:

- Lisa Kaati, Swedish Defence Research Agency, lisa.kaati@foi.se, +46704822573, Sweden
- Mohamed Faouzi Atig, Uppsala University, mohamed_faouzi.atig@it.uu.se, +46184713159, Sweden
- Shekhar Poudel, Verisk Health Inc, spoudel@veriskhealth.com, +9779841097903, Nepal