Poonam Malpani

28| Female

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M.Tech (Computer Science) | B.Tech (IT)

Career Overview

CBSE UGC **NET Nov-2017** qualified for Assistant Professor. Coding experience in PHP, JAVA (J2SE) and SQL. A **University Topper** in B.Tech and M.Tech with comprehensive experience of teaching B.Tech senior classes. Seeking a company where I can use my skills & education to help the company meet and surpass its goal. M.Tech thesis on DBpedia Live Extraction Framework using Template Matching algorithm. Organized and managed cultural events, technical events and workshops.

Skill Sets

- DBMS, DSA, TOC, DAA
- JAVA(**SUN Certified**), PHP, CSS
- Data Mining & Algorithms

- DB2(**IBM Certified**), SQL, ORACLE, SPARQL
- Rational Rose, WAMP/XAMPP Server, Filezilla Client
- Academic Research

Professional Experience

Poornima College Of Engineering, Jaipur *July 2013 –Sep 2015*
Assistant Professor (part time)

- Taking lectures for 2nd to final year of subjects **DAA, DSA, DBMS**
- Providing guidance for labs of **PHP**, **DBMS, DSA, DAA**

Poornima College Of Engineering, Jaipur *July 2012 –Jun 2013*
Assistant Professor (full time)

- Taking lectures for 2nd to final year of subjects **DAA, DBMS, OS & TOC**
- Providing guidance for labs of **DBMS, DSA, DAA**
- Organizing workshops of **C, PHP & SQL**
- Taking initiative for internal **software development projects**, placement support for students and coordinating cultural/technical events

Research Publications

Area: **Web Mining, DBpedia, Data Algorithms**

International Conference:

- Poonam Malpani et. Al. (2014)," **Analytical & Empirical Analysis of External Sorting Algorithms**"-IEEE proceedings in ICDMIC-.2014, IGIT, Delhi, India.
- Poonam Malpani et. Al. (2015), " **A Novel Framework for Extracting Geospatial Information using SPARQL Query & Multiple Header Extraction Sources** "-SPRINGER proceedings in ICRCWIP-.2014, PIET, Jaipur, India.

National Conference:

- Poonam Malpani et. Al. (2014), "**SPARQL Semantics & Execution Analysis Using Apache-Jena and Fuseki Server Interface**",- 4th National Conference on "Emerging Technologies in Computer Engineering"- NCETCE 2014, Jaipur,India

Projects & Accomplishments

- **Virtual Lab (PHP based):** End to end tool for management of lab assignments with online registration of user along with compilation of code to check the veracity by inbuilt simulator. This tool also provided theory, algorithms, programs quizzes for each lab experiment
- **College Fest AAROHAN 2K13 Website (PHP based):** Designed and coded the front end and back end of the website. Provided login management, event registration and report generation. About 7000 students registered through this website
- **Student Attendance Management System (PHP based):** This tool provided functionalities like Attendance marking for both students and faculties, analyze attendance at class/subject/year level, leave management and Notes/eBooks uploads

Academic Achievements

Year	Degree	Board / University	Percentage
2015	M.Tech (CS)	Rajasthan Technical University	75.73
2012	B. Tech (IT)	Rajasthan Technical University	83.94
2007	Std. XII	CBSE	70.00
2005	Std. X	RBSE	74.00

Dissertation (M.Tech)

Title: YAGO/OWL Ontology based DBpedia Live Extraction Framework using Template Matching

The problem of this thesis is the development of a question answering system that answers user questions that has been received as any query in human language and, thus, reduces the shortcomings of FAQ lists, keyword-based search, and large data input forms. One of the major challenges is that the systems have to be inexpensive and easy to maintain, which are very important so that the system is affordable for organizations such as university departments and small companies.

In this we develop a smart, user friendly automatic answering system with the ability of detecting and answering questions asked in English. The strength of this approach is that the generated SPARQL templates, capture the semantic structure of the natural language input. Therefore questions containing quantifiers like 'the most' and 'more than', comparatives like 'higher than' and superlatives like 'the highest' do not pose a problem in contrast to most other question answering.

Academic Achievements

- **CBSE UGC NET Nov,2017** qualified for Assistant Professor
- **M.Tech University Topper** in Computer Science Branch, RTU, session 2013-2015
- **B.Tech University Topper** in Information Technology, RTU, session 2008-2012
- Certified in **DB2**, 2013
- Certified in **Rational Aided Tool**, RAD, 2012
- Certified in **AMCAT**, 2012
- TGMC Training on RAD Tool & WAS Server
- Certified **JAVA professional**, by National Institute of Information Technology (NIIT), 2011
- **Gate2013**, 98.73 Percentile and All India Rank-4227
- Participated in the National Conference on Recent Developments in Engineering Mathematics and Information Technology – Optimization using Graphical Method (2009-10) and active Coordinator of NCRDEM-IT-2009
- Ambassador for Change in Mathematics (2009-10) on Annul Day (PCE)
- Best Electrical project (Generate electricity using speed breaker) (2008-09) and Computer Project (KBC) (2008-09) in PCE

Seminar & Workshops

- Active Faculty Coordinator of "International Conference on Advancements in Information Technology" held on March, 22-23, 2013 in PIET, Jaipur
- Oracle 10G Seminar by Accenture, India Cam, (2011), (PCE)
- Workshop on Ethical Hacking and Information Security (2009) (PGC)
- National Conference on Research & Development in Engineering Mathematics & IT (NCRDEM-IT 09) (PGC)

Extra-Curricular Activities

- Best **Cultural Group Award**, Department of Information Technology, 2009/10/11/12
- 2nd position in **Bharat Ko Jano Competition** (State level), 2004
- 1st position in group singing competition (State level), 2004
- 1st prize in Rangoli (Indian Culture) –Panache-VIT and Aarohan-Poornima College of Engineering, 2008
- Member of Core Planning & Monitoring Committee of AAROHAN'12 (Poornima Fest) & work as a leader as well as a team
- Self Help Group Coordinator & optimized the result of every student, 2009/10/11/12
- Active Coordinator of **SPIC MACAY** (Jaipur Chapter), National Conference on Recent Developments in Engineering Mathematics and Information Technology, Poornima Manthan 2009/10
- Consolation prize in State Level dance competition-**Abhivyakti, 2009**
- Consolation prize in State Level drawing competition-Bharat Vikas Parishad, 2003/04

Address

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Kandivali (E), Mumbai