

Job Seeker

Toronto, Canada - Email me on Indeed: [indeed.com/r/5bc112e369bb5cff](https://www.indeed.com/r/5bc112e369bb5cff)

Willing to relocate to: Toronto - Mississauga - Brampton

WORK EXPERIENCE

Assistant Professor

Information Technology Department, University Institute of Engineering & Technology, Panjab University
- Chandigarh, Chandigarh - October 2012 to Present

Job Roles and Responsibilities

- Teaching undergraduate students and conducting laboratory sessions every semester according to workload.
- Preparing and delivering teaching materials such as presentations, notes, course files, lecture plan, laboratory course files for students
- Updating/designing curriculum of subjects taught by faculty according to new trends and demands of the Industries.
- Preparing assignments, tutorial sheets, laboratory assignments, assessment tests and papers to assess students' progress.
- Mentoring students on career decisions and academic matters and providing extra classes to academically weak students, if required.
- Supervising undergraduate (i.e. Bachelors in Engineering, Information Technology) students on their projects.
- Supervising Post-Graduate (Master in Engineering, Information Technology) students on their research projects and publishing papers in journals, conferences or books.
- Organizing various Conferences, Faculty Development Programme, Workshops, Seminars, Symposium for Students, Research Scholars and Faculty.
- Serve in various Departmental Committees as Incharge/Member dealing with following matters:
 - i) Time-table Committee (Incharge)
 - ii) NBA related work (Coordinator)
 - iii) Final Semester Seminar (Incharge)
 - iv) M.E Admission (Member)
 - v) Grade Examination DATESHEET (Member)
 - vi) Curriculum Planning (Member)

Area of Interests

- Well versed with Data Mining (Text Mining), Natural Language Processing, Network Security and Cryptography, DBMS.
- Sound knowledge about Digital Image Processing, Multimedia Systems, Computer Networks, Operating System, Data Structures, Dot Net (C#).

EDUCATION

M.E in Computer Science & Engineering

Panjab University - Chandigarh
July 2010 to August 2012

B.E in Computer Science & Engineering

Panjab University - Chandigarh, Chandigarh
July 2006 to June 2010

Pursuing Ph.D in CSE

Panjab University - Chandigarh, Chandigarh
November 2014

SKILLS

Microsoft Office; Microsoft Excel; C Language, C# Language, DBMS, HTML, Javascript, Matlab, WEKA,
Basic Unix commands

ADDITIONAL INFORMATION

Publication Details:

- Published paper "Recent Trends in Text Classification Techniques" in International Journal of Computer Applications, Vol. 35, Issue 6, pp. 45-51, December 2011. Published by Foundation of Computer Science, New York, USA.
- Published paper "Algorithm for Punjabi Text Classification" in International Journal of Computer Applications, Vol. 37, Issue 11, pp. 30-35, January 2012. Published by Foundation of Computer Science, New York, USA.
- Published paper "Text Extraction and Recognition from the Normal Images Using MSER Feature Extraction and Text Segmentation Methods" in Indian Journal of Science and Technology, vol. 10, no. 17, doi: [...] May 2017, ISSN: [...]
- Published paper "Domain Based Classification of Punjabi Text Documents", in proceedings of COLING 2012: Demonstration Papers, pages [...] COLING 2012, Mumbai, December 2012.
- Published paper "Domain Based Classification of Punjabi Text Documents using Ontology and Hybrid Based Approach", in Proceedings of the 3rd Workshop on South and Southeast Asian Natural Language Processing (SANLP), pages [...] COLING 2012, Mumbai, December 2012.
- Published paper "Punjabi Text Classification using Naïve Bayes, Centroid and Hybrid Approach", in International Workshop of NLP, VOL. 2, No. 4, pp. [...] 2012.
- Presented and published paper "Applying Data Mining in Geosciences Data", at National Seminar on "Advances in Computer Applications" in April 2011.
- Presented and published paper "Recent Trends in Text Mining Techniques", at National Seminar on "Emerging Trends in Computer Science and Information Technology" in November 2011.
- Presented paper "A Survey of Sentiment Analysis Techniques" in proceedings of International Conference on IoT in Social, Mobile, Analytics and Cloud, 10-11 February 2017.
- Published paper "Text extraction from images: A review" in Springer proceedings (LNNS) of International Conference on ICT for Sustainable Development (ICT4SD 2016)".
- Published paper "A Critical Review on Software Metrics in Mobile Applications" in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 9, pp. [...] September 2016.

Book Published:

- Domain Based Classification for Punjabi Text Documents – A Hybrid Classification Approach using Naïve Bayes and Ontology Techniques, ISBN: [...] Lambert Academic Publishing, Germany.

Projects Supervised:

- CABGURU- Amit Gupta [...] and Nitish Kumar [...]
- PICTURECIPHER- Ritika Dhaneshwar [...] and Sagarika Sharma [...]
- Face Recognition and Data Retrieval- Shilpa Verma [...] and Ranzin Angmo [...]

- Pedestrian Detection using Thermal Imaging- Chirag Taneja [...] and Ankit Ambhesh [...]

* Project Name - Student Name (with Roll No.)