

BARLEEN KAUR

barleenk@gmail.com

EDUCATION

McGill University, Montreal, Canada

Sept 2017 - Present

Master's in Science (Thesis)

Overall GPA: 3.77/4

School of Computer Science

Courses Taken: Applied Machine Learning, Reinforcement Learning, Probabilistic Graphical models, Natural language Processing, ML and NLP in Software Engineering, Social Media Analytics.

Guru Gobind Singh Indraprastha University, Delhi, India

August 2011 - June 2015

Bachelor of Technology

Overall CPI: 81.07/100

Department of Computer Science and Engineering

WORK EXPERIENCE

Oracle India Private Limited, India

July 2015 - July 2017

Associate IT Consultant

Worked on end-to-end building and provisioning of new servers to support Oracle's infrastructure systems.

RESEARCH EXPERIENCE

McGill University and Mila, Montreal, Canada

July 2018 - Present

Medical Image segmentation using Deep Learning with Prof. Doina Precup and Prof. Tal Arbel

Working on learning representations in medical imaging for segmentation tasks.

PUBLICATIONS

- **Barleen Kaur**, et.al., **Improving Pathology Segmentation Via Transfer Learning Across Diseases**, DART workshop, MICCAI 2019.
- Kian Kenyon-Dean*, Eisha Ahmed*, Scott Fujimoto✧, Jeremy Georges-Filteau✧, Christopher Glasz✧, **Barleen Kaur✧**, et.al., **Sentiment Analysis: It's Complicated!**, NAACL HLT 2018.

PROJECTS

Temporal regularization in Control for MDPs

Mar'19 - Aug'19

McGill University and Mila, Montreal, Canada

- Worked on the aspect of temporal consistency in action value function for control setting in Reinforcement learning.

Identifying duplicate Quora Question pairs

Dec'17

McGill University

- Text vectorization techniques like bag of words, word2vec and doc2vec were used to generate embedding which were then passed to classifiers like Naive-Bayes, Linear Support Vector Machines, and Logistic Regression to classify question pairs as duplicates or not.

Management Information Systems for Zoological Survey of India

Jun'14 - Aug'14

National Informatics Centre, Delhi

- Took part in resource gathering phase, conducted meetings with scientists of Zoological Survey of India and wrote Software Requirement specification document(SRS).

- Developed a module(on .Net technology) where scientists could search for the complete list of projects they are working on (with details), co-scientists under them, goals for next year, and browse reports.

Deadline driven Min-Min load balanced Task scheduling algorithm in Cloud May'15 *IGDTUW*

- Generates a balanced schedule, based on an open-source toolkit called **CloudSim** written in Java, for allocating a set of tasks to a set of available resources considering factors like failure rate of resources, task deadline, and load balancing.

Women Enhancing Technology mentorship program Jun'14 - Nov'14

- A six-months long mentorship program in partnership with Qualcomm encouraging female students to develop skills on Effective Communication, Networking, Knowledge Sharing and Leadership.

TECHNICAL STRENGTHS

Computer Languages	Python, C, C++, Java
Others	PyTorch, MySQL

ACHIEVEMENTS

- Scored **317/340** in GRE General test with **170** in Quantitative Reasoning and 147 in Verbal Reasoning in July'16.
- Secured a rank of **1742** in IPUCET, a university level engineering entrance exam in Delhi.
- Overall **topper and Maths topper in CBSE 10th boards** at the school level.

POSITION OF RESPONSIBILITY

1. Teaching assistant for courses **Introduction to Computer Science** (Fall 2018), **Algorithms & Data structures** (Winter 2018) and **Foundations of Programming** (Fall 2017) at McGill University.
2. Member of Emergency Response Team (ERT) for Oracle India Pvt Ltd, Noida.
3. Led website team of **IEEE** Student Branch of IGDTUW, Delhi during 2013-2014.
4. Core creative team member of **Taarangana**, the first ever cultural fest of IGDTUW in 2014.

EXTRA-CIRRICULAR

1. Winner of **ConVerge** - an online quiz competition conducted by Oracle India Pvt. Ltd.
2. Conducted various technical seminars and workshops in college.
3. **Lead vocalist** in my school's music team and won various inter-school level singing competitions.

PERSONAL INFORMATION

Languages: English, Hindi, Punjabi

Nationality: India

Hobbies: Singing, painting, biking and playing games.