CHANDRAHAS

dewangan.chandrahas@gmail.com

Patan, Chhattisgarh, India

EDUCATION

PhD, Computer Science & Engineering *August 2015 - July 2021*
Indian Institute of Science, Bangalore
Representation Learning for Knowledge Graphs
CGPA: 7.0/8.0

Master of Engineering, Computer Science & Engineering *August 2011 - July 2013*
Indian Institute of Science, Bangalore
Specialization : Machine Learning
CGPA: 6.7/8.0

Bachelor of Engineering, Computer Science & Engineering *August 2007 - June 2011*
Bhilai Institute of Technology, Durg [C.G.]
Marks: 80.6%

EXPERIENCE

Google Research India September 2021 - Present
Visiting Researcher *Bangalore, India*

· Working on Natural Language Processing, specifically on developing large language models that works well on knowledge intensive tasks.

Facebook September 2018 - November 2018
Intern *London, UK*

· Worked on search query recommendation, and came up with new methods for query recommendation which improved user engagement on search result page.

IBM Research Lab June 2016 - August 2016
Research Intern *Bangalore, India*

· Worked on Task Specific Knowledge Graph (KG) Construction methods where the final structure (nodes and edges) of KG is determined by an end task, like classification.

Veveo R&D, Rovi Corporation August 2013 - July 2015
Software Engineer *Bangalore, India*

· Worked on conversation based search on entertainment domain.
· It involved problems such as user intent detection, dialog detection, and context management during natural language conversation. used by the team for quick debugging.

PUBLICATIONS

OKGIT: Open Knowledge Graph Link Prediction with Implicit Types Jul 2021
Authors: Chandrahas, Partha Pratim Talukdar
Conference: Findings of the ACL: ACL-IJCNLP 2021

Inducing Interpretability in Knowledge Graph Embeddings Dec 2020

Authors: Chandrahas, Tathagata Sengupta, Cibi Pragadeesh, Partha Pratim Talukdar
Conference: International Conference on Natural Language Processing (ICON) 2020

Learning to Interact: An Adaptive Interaction Framework for Knowledge Graph Embeddings Dec 2020

Authors: Chandrahas, Nilesh Agrawal, Partha Pratim Talukdar
Conference: International Conference on Natural Language Processing (ICON) 2020

Towards Understanding the Geometry of Knowledge Graph Embeddings Jul 2018

Authors: Chandrahas, Aditya Sharma, Partha Pratim Talukdar
Conference: Association for Computational Linguists (ACL) 2018

Revisiting Simple Neural Networks for Learning Representations of Knowledge Graphs
Nov 2017

Authors: Srinivas Ravishankar, Chandrahas, Partha Pratim Talukdar
Conference: Automated Knowledge Base Construction (AKBC) Workshop at NIPS 2017

Learning Score Systems for Patient Mortality Prediction in Intensive Care Units via Orthogonal Matching Pursuit Dec 2014

Authors: Aadirupa Saha, Chandrahas, Harikrishna Narasimhan, Sriram Sampath, Shivani Agarwal
Conference: International Conference on Machine Learning and Applications (ICMLA) 2014

TECHNICAL SKILLS

Programming	Python, C, C++, Java, Shell Scripting.
Frameworks & Tools	PyTorch, TensorFlow, LaTeX, Python-Flask and Jinja2.
Expertise	Machine Learning, Optimization, Natural Language Processing, Algorithms.

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

Reviewer for EMNLP 2020 and 2021, AKBC 2021, ICON 2020, NAACL 2021

Student volunteer for EMNLP 2020, ACL 2018, 2020

Google travel grant for attending ACL 2018

Gave talks on *Introduction to Machine Learning* in CSA Summer School 2013 and *Representation Learning for Text* in CSA Summer School 2016

Special Recognition Award while working at Veveo R&D

Led the publicity team for department (CSA) Open-days 2013 and CSA Summer School 2013

AIR-44 in GATE-2011

Honors in Bachelor of Engineering

Certificate of Excellence in Mathematics in 12th