Rishabh Joshi

Contact Information	Samsung Research Institute Bangalore, India	E-mail : rishabhjoshi0407@gmail.com Links : Webpage, Github, Google Scholar

Education

Birla Institute of Technology and Science (BITS), Pilani; Pilani, India   2014 - 2018
Bachelor of Engineering (Hons.), Computer Science   CGPA : 9.28/10
Thesis on "Relation Extraction using Distant Supervision" at IISc, Bangalore

The Mother's International School; Delhi, India   2014
Class XII, CBSE   95.6%
Class X, CBSE   CGPA : 10/10

Experience

Samsung Research Institute, Bangalore, India
Research Software Engineer   Aug 2018 - Present

Working in NLU team on the problem of End to End Dialogue Management. Previously worked on creating an on-device resource constrained Intent Classification and Slot Tagging solution. Also worked on a solution for on-device Speaker Recognition system for an upcoming product of Samsung.

Indian Institute of Science, Bangalore, India
Undergraduate Thesis (Advisor : Prof. Partha Talukdar)   Jan 2018 - July 2018

Worked with Prof. Partha Talukdar on the problem of Distant Supervised Relation Extraction where we proposed a novel solution using Graph Convolution Networks and information from external databases (Side information). Also worked on other projects involving construction and usage of Knowledge Graphs.

Samsung Research Institute, Bangalore, India
Summer Intern   May 2017 - July 2017

Worked as part of the 5G Team on the data link layer of 5G communication protocol. Created tools for packet generation and analysis.

Indian Institute of Remote Sensing, ISRO, Dehradun, India
Research Intern   May 2016 - July 2016

Worked on DataCube, an analytical framework providing an effective storage, retrieval and analysis of large earth observation datasets, under the supervision of Dr. Sameer Saran. I developed the core API and execution engine with algorithm templates for product generation.

Publications

Shikhar Vashishth, **Rishabh Joshi**, Sai Suman Prayaga, Chiranjib Bhattacharyya and Partha Talukdar. 2018. RESIDE : Improving Distantly-Supervised Neural Relation Extraction using Side Information. In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing*, Brussels, Belgium, Association for Computational Linguistics.   [Paper] [Code]

Projects

iNELL : India centric Never-Ending Language Learner, IISc, Bangalore   Jan 2018 - July 2018
Worked with Prof. Partha Talukdar on creating a knowledge graph consisting of Indian entities and their relations by crawling the web.

BITS LifeGuard, Wearables, Pervasive and Network Research Lab, BITS Pilani   Nov 2015 - Jan 2018
Worked as a Research Assistant under Prof. Rahul Banerjee to develop a fault-tolerant, cost-effective smart driver safety jacket to prevent road accidents.

Distance Iris Recognition, BITS Pilani   Jan 2017 - May 2017
Worked with Prof. Kamlesh Tiwari on creating a biometric Iris Recognition solution for Low-Quality Distance Iris Images.

Ad Effectiveness and their Impact on Sales, BITS Pilani   Aug 2017 - Dec 2017
Worked with Prof. Sangeeta Sharma on analyzing the effectiveness of advertisements on the popularity and sales of products.

Teaching

Teaching Assistant for Data Structures and Algorithms, BITS Pilani   Jan 2017 - May 2017
Helmed two lab sections and was the jury for the online judge with the responsibility of assisting 200+ students. The course was taught by Prof. Sundar S Balasubramaniam

HONORS AND AWARDS	
	• **1st**, Campus ML Hackathon organized by MapMyIndia on Kaggle in APOGEE BITS Pilani, 2017

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- **1st**, Campus ML Hackathon organized by MapMyIndia on Kaggle in APOGEE   BITS Pilani, 2017
- **3rd**, ML Hackathon organized by D.E. Shaw on HackerEarth   2017
- **2nd**, E-Yantra, a robotics competition organized by MHRD and IIT Bombay   2016
- **Merit**, Recipient of Institute Merit Scholarship for academic excellence   2015
- **1574**, All India Rank (AIR), IIT-JEE   2014 (out of around 1,300,000)
- **Inspire**, Recipient of Govt. of India Inspire Scholarship (top 1% in CBSE)   2014
- **All India Topper**, Chemistry, CBSE Class XII Board (100/100)
- **School Topper**, Computer Science, CBSE Class XII Board (99/100)

POSITIONS OF
RESPONSIBILITY

Executive Coordinator, Embryo Club, BITS Pilani   Apr 2016 - Apr 2017
Responsible for handling the finances of the club and raised the club treasury from Rs. 20,000 to Rs. 180,000. Organized an on campus talk by Amish Tripathi, handling all expenses and negotiations.

Joint Activities Coordinator, ACM BITS Chapter   Aug 2015 - Aug 2016
Responsible for all activities of ACM throughout the year, successfully conducting more than 8 events. BITS-ACM won the best ACM chapter award for that year in India.

EXTRA
CURRICULAR
ACTIVITIES

Volunteer for National Service Scheme, BITS Pilani chapter from Aug 2014 to Aug 2017. Helped under-privileged people from Pilani and nearby village to become acquainted in computers and technology. Also organized Junoon, a sports festival for physically challenged people.

Gave introductory lectures to junior year students on transition trends of Campus-to-Corporate (C2C) under, Prof. Sushila Shekhawat.