Prabal Agarwal

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Research Statement

I am a masters student at International Max Plank Research School for Computer Science.

Education

2015–Present | **Pursuing Masters in Computer Science, IMPRS-CS, Germany**

GPA 1.7
Graduate Coursework:
Information Retrieval and Data Mining, Elements of Statistical Learning,
Artificial Intelligence, Statistical Natural Language Processing,
Advanced Topics in Information Retrieval, Social Media Analysis,
Database Systems

2011–2015 | **BTech in Electrical Engineering, IIT-(BHU), Varanasi, India**

GPA 8.23

Publications

2017 |

Work Experience

Currently	**Research Assistant, UT Austin** In the Neural Networks group led by Risto Miikkulainen Researching communication between agents in multiagent systems in collaboration with biologists studying hyenas in the wild. Co-wrote grant that earned funding from the NSF's BEACON Center for the Study of Evolution in Action.
2011	**Teaching Assistant, Computer Science Department, UMBC** Participated in developing course materials for hundreds of students, led multiple lab sections with hands-on coding.
2011	**Research Assistant, UMBC** In the Multi-Agent Planning and Learning Lab led by Marie desJardins Developed cognitive models of student understanding, designed and ran human subjects experiments, collaborated in developing a dynamic Python tutoring environment.
2010-2011	**Computer Science Tutor, Computer Science Department, UMBC** Guided students with severe challenges through computer science courses, designed simple tactile learning experiences.
2009	**Community Organizer, Unite HERE!** Volunteered to organize hotel workers for higher wages and safer working conditions. Supported low income workers in developing a Human Rights Zone in Baltimore's Inner Harbor

Skills

Python, Rails, bash, MATLAB, Java, HTML, CSS, and Javascript
Scraping the web. Clear writing. Operating any *nix system.
Building systems to collect, clean, and analyze data

Leadership and Miscellanea

Organizer, Forum for Artificial Intelligence at UT
Founding member of Broader Impact Group in Artificial Intelligence
Graduate Representative for Computer Science
Best Undergraduate Research Award, UMBC
Hiked from Georgia to Virginia, and lived outside for over six months
Other projects are located on my website: cs.utexas.edu/~elie