Harsh Gupta

E-210, Azad Hall of Residence
Indian Institue of Technology
Kharagpur - 721302 India
✉ *gupta.harsh96@gmail.com*
⌂ *http://github.com/hargup/*

Education

2012–2017 **Master of Science, Bachelor of Science** | Indian Institute of Technology Kharagpur
Mathematics & Computing - **7.89/10 GPA**

Work Experience

June 2015–Present **Wikipedia Gender Indicators (WIGI)** | Developer and Researcher
Developed the website for WIGI and did preliminary analytics on Field of Work and Occupation data of gendered biographies on Wikipedia along with a project mate.

May 2015–July 2015 **Continuum Analytics** | Software Engineering Intern
Automated the process of building noarch conda packages from Python Packaging Index (PyPI). Added support for numpy.median in Numba, a NumPy aware optimizing compiler for Python.

June 2015–Sept 2015 **SymPy** | Google Summer of Code Mentor
Guided a Google Summer of Code student in improving the new symbolic solvers in SymPy.

Dec 2014–Jan 2015 **Afra: Genome Annotation for the Masses** | Software Engineering Intern
Wrote a test suit for annotation editing functionality on the jasmine framework in JavaScript. Wrote a ruby script to export submission to GFF3 format.

Sept 2013–Present **SymPy** | Open Source Contributor
Fixed the evaluation of ImageSet for intervals, wrote an inequality solver, added as_set method for bool and relationals and wrote a Set Difference class.

May 2014–Sept 2014 **SymPy** | Google Summer of Code Student
Rewrote symbolic solvers for Algebraic equations. The new solvers provides a clear input and output interface, removes inconsistency between real and complex solvers and supports infinite solutions.

Oct 2013–Sep 2014 **AGV IIT KGP: Autonomous Ground Vehicle** | Team Member
Implemented basic motion planning algorithms and basic computer vision system. AGV IIT KGP is a research group at IIT Kharagpur which participated in Intelligent Ground Vehicle Competition(IGVC) 2014 held at Michigan.

May 2013–July 2013 **Breathe Arts** | Web Developement Intern
Implemented a login system using OpenID and fixed the password recovery system on Breathe Art's ASP.NET online art galleries.