

Harsh Gupta

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

MASTER OF SCIENCE, BACHELOR OF SCIENCE IN MATHEMATICS AND COMPUTING

2012 - 2017

GPA: 7.55/10

LINKS

Website 🌐: hargup.in

Github 🐙: [hargup](https://github.com/hargup)

LinkedIn in: [hargup](https://www.linkedin.com/in/hargup)

e-mail ✉️: mail@hargup.in

Phone 📞: +91 731882 6508

SKILLS

PROGRAMMING

Expert

Clojure(Script) • Python

Competent

TypeScript • React • CSS • HTML

Familiar:

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TALKS

- "What you cannot do with Machine Learning", Anthill Inside 2018, Bangalore, India (Video)
- "Community is more important than code", Keynote, Kharagpur Open Source Summit 2018 (Video, Event Link)
- Panelist in a session on "Fairness, Accountability, and Transparency in Machine Learning" at The Fifth Elephant 2017, Bangalore India. (Event Link)
- "FAT ML (Fairness, Accountability, and Transparency in Machine Learning) for Lawyers and Lawmakers", CISxScholars, New Delhi, India (Event Link, Slides)
- "Tech is WEIRD", lightning talk at SciPy 2016, Austin, USA (Video)
- "What's new with sympy solvers", lightning talk at SciPy 2015, Austin, USA (Video)
- "Symbolic computation with Python using SymPy", workshop at SciPy 2016, Austin, USA

EXPERIENCE

HELPSHIFT | SOFTWARE ENGINEER

October 2018 - Present | Pune, India

- HelpShift is a mobile first CRM, with 1 Billion+ installs. As part of the core backend team and later the automation team, I made it easier for customers to automate support issues saving money while driving up customer satisfaction.
- Primary backend developer for Smart Intents, which gives users a smart way to specify the exact kind of support they require, thus making it super easy to automate their queries. Was involved in all phases of the project from ideation to execution.
- Wrote the migration tool to create internationalized bots. This allowed many customers to reduce the number of chatbots they had to manage by 10x.

NILENSO | SOFTWARE ENGINEER

Feb 2018 to July 2018 | Bangalore, India

- Implemented a service to efficiently store arbitrary objects by their location and then retrieve them by their presence in particular regions. Such a service can be used to determine which drivers are present near a location to allocate them to users.

JP MORGAN CHASE & CO. | ANALYST, DATA SCIENCE

July 2017 to November 2017 | Mumbai, India

- Worked as a part of the data science team. Implemented a service to manage approvals of data objects.

SYMPY | GOOGLE SUMMER OF CODE (GSOC) - STUDENT 2014, MENTOR 2015 AND 2016

- SymPy is a popular python library for symbolic computation with more than 7000 stars on github.
- Wrote the new symbolic equation solving module which provides a clear input and output interface, removes inconsistency between real and complex solvers, supports infinite solutions and gives guarantee on completeness of solution.
- Mentored one Google Summer of Code student in 2015 and two in 2016 to extend the work on equation solving module in SymPy.

CONTINUUM ANALYTICS (NOW ANACONDA) | INTERN

May 2015 to July 2015

- Automated the process of building conda packages from Python Packaging Index (PyPI). Conda is the package manager which powers the popular python distribution Anaconda which has been downloaded over 3 million times.
- Added support for numpy.median in Numba. Numba optimizes numerical code written in pure python to run on speeds similar to C, C++ and Fortran.

THE CENTER FOR INTERNET AND SOCIETY | INTERN

May 2016 to July 2016

- Analyzed and compared the various technical alternatives to Encrypted Media Extensions (EME) draft specification by World Wide Web Consortium (W3C) on content protection interoperability, accessibility, security and privacy.
- Analyzed the debate on Encrypted Media Extensions on the mailing list of W3C and found that, out of 48 participants none was from the continents of Asia, Africa or South America. The report was sent to Government of India, Ministry of Electronics and Information Technology advocating them to increase India's participation in technical standard making bodies related to the internet.