

# HIMANSHU MISHRA

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## WORK EXPERIENCE

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**Software Engineering Intern** [Twitter HQ, San Francisco](#) Summer 2018

*Open Source Team*

Created Weekly/Monthly Metrics reporting system for all the Twitter OSS projects - [opensource.twitter.com/metrics](#) Worked on automating Open Source review process for internal projects. Built the back-end of new [opensource.twitter.com](#).

**Software Developer Intern** [Elanic, Bangalore](#) Summer 2017

*React-Native, React, Node.js*

Created the chat interface for Elanic iOS app from scratch, with messages and dynamic offers in screen. Rolled out for 160K users. Added new features and wrote abstractions for the backend server serving a total of 800K users.

**Google Summer of Code 2016** [Stingray, Timelab Technologies Ltd.](#) Summer 2016

*Library of Time Series Methods* Mentor: Daniela Huppenkothen

Wrote core Time Series analysis methods for astronomical X-Ray data obtained from accreting star systems. Created the base classes of the library, packaged it and published over pypi. | [GSoC Report](#)

**Google Summer of Code 2015** [NetworkX, Python Software Foundation](#) Summer 2015

*Implementing Add-on Extension System* Mentor: Yingchong Situ

Wrote a library for Graph partitioning, an extension of NetworkX which is a Python library for Graph Theory with over 13 million downloads per month. Also, designed the add-on system for NetworkX extensions. | [GSoC Proposal](#)

## PROJECTS

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[github.com/OrkoHunter](#)

### PEP 8 Speaks

A GitHub integration to automatically review Python code style on Pull Requests. Currently used by **pandas, Spyder IDE, scikit-image, scikit-learn-contrib, astropy, sunpy** and **1100+ organizations** - [GitHub](#)

### Keep

A command line toolkit for storing and using commands and code snippets. *Serves more than 300 active users* - [GitHub](#)

**Other Projects** I spend an integral part of my time on GitHub, working on Open Source projects.

- Ping Me : A cross-platform CLI for personalized reminders, integrated with Google Calendar — [GitHub](#)
- Morse Talk : A Python library written for Morse Code — [GitHub](#)
- plot2table : Extract plots from research papers and produce tables of data points. — [GitHub](#)
- Depends : Analyze dependencies of a python package — [Homepage](#)
- Smart Ways : Using Neural Networks to suggest possible one way routes in traffic — [GitHub](#)
- Muriel : An electron.js app (cross-platform) to binge-watch anything without being bored — [GitHub](#)

## SKILLS

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- Languages: Python, JavaScript, C/C++, Java
- Platform: macOS, Linux, Android, iOS
- Development: Flask, Django, React, React Native, Unix utilities, Node.js, electronjs, SQL databases, MongoDB

## CONFERENCES

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- Talk : Stingray - Time series methods for Astronomical Data SciPy 2017, Austin TX
- Lightning Talk : PEP8Speaks - GitHub App for Python code style SciPy 2017, Austin TX
- Tutorial : Complex network analysis using NetworkX - Graph Theory in Python PyCon IN 2017, Delhi
- Talk and Tutorial : NetworkX - A Python library for Graph Theory 2016, University of Pune
- Tutorial : NetworkX and NetworkX-Metis SciPy IN 2015, Mumbai

## EDUCATION

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**Indian Institute of Technology (IIT) Kharagpur**, West Bengal, India 2014 – 2019 (Expected)

Undergraduate Major in Mathematics and Computer Science