

# HIMANSHU MISHRA

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## EDUCATION

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**Indian Institute of Technology (IIT) Kharagpur**, West Bengal, India 2014 – 2019 (Expected)  
*Undergraduate Major in Mathematics and Computing*

## WORK EXPERIENCE

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**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. Added new features and wrote abstractions for the backend server.

**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 systems (X-Ray binaries)

- Detailed Summary - [GSoC Report](#)
- Python, heavy usage of NumPy and SciPy toolkit

**Google Summer of Code 2015** NetworkX, Python Software Foundation Summer 2015  
*Implementing Add-on System* Mentor: Yingchong Situ

NetworkX is a Python library for Graph Theory and Complex Networks. The project was to design an add-on system and create NetworkX extensions interfacing with METIS and LEMON, with the use of Cython

- Detailed Summary - [GSoC Proposal](#)
- Python, C, Cython, C++, Sphinx

**Open Source Projects** 2014 – Present  
*orkohunter.net/projects*

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

- PEP8 Speaks : A GitHub integration to automatically review Python code style on Pull Requests.  
*Currently used by **pandas**, **scikit-image**, **scikit-learn-contrib**, **astropy**, **sunpy** and **730+ organizations** — [GitHub](#)*
- Keep : CLI toolkit for storing and using commands — [GitHub](#)  
*Serves **more than 300 active users***
- 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](#)
- Ping Me : A cross-platform personalized Ping — [Homepage](#)
- 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: React, React Native, Django, Flask, 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
- Talk and Tutorial : NetworkX - A Python library for Graph Theory 2016, University of Pune
- Tutorial : NetworkX and NetworkX-Metis SciPy IN 2015, Mumbai