

# 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. Rolled out for 160K users. 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  
*Serves **more than 300 active users** — [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](#)
- 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