

# JAIDEV DESHPANDE

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## EDUCATION

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**University of Pune**  
B.E. in Electronics

July 2012

## EXPERIENCE

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**Cube26 Software Pvt Ltd**  
*Data Scientist*

November 2015 - Present  
New Delhi

- Managing data science operations.
- Design and deployment of server-side code for various data-driven applications.
- Building deep learning models for applications in computer vision and NLP.

**iDataLabs**  
*Consultant*

September 2015 - December 2015  
New Delhi

- Developing a model for predicting marketing leads for software vendors.

**DataCulture Analytics**  
*Chief Data Scientist*

January 2015 - September 2015  
New Delhi

- Developing a predictive analytics platform for e-commerce and logistics solutions.
- Building and maintaining a recommendation system for recommending logistics partners for various e-commerce companies.

**Enthought, Inc**  
*Scientific Software Developer*

July 2013 - December 2015  
Mumbai

- Developing automated data analysis and visualization software.
- Core developer of the Canopy Python distribution and data analysis environment.
- Built a continuous integration and delivery platform from scratch.

**Enthought, Inc**  
*Intern*

April 2012 - July 2013  
Mumbai

- Worked on Python tools for exploratory data analysis.

**Tata Institute of Fundamental Research**  
*Research Assistant*

August 2011 - January 2012  
Mumbai

- Analysis of data from various applications in material sciences and experimental physics.
- Developed a system for measuring the elastic constants of solids from ultrasonic signals.

**University of Pune**  
*Research Assistant*

January 2009 - March 2012  
Pune

- Various projects in signal and image processing.

## PUBLICATIONS & TALKS

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All papers have Jaidev Deshpande as the first author.

1. *Parameterization of Traffic Flow Using Sammon-Fuzzy Clustering*  
IEEE International Conference in Vehicular Electronics and Safety 2009
2. *pyhht: A Python Toolbox for the Hilbert-Huang Transform*  
International Conference on Python in Scientific Computing, 2011, IIT Bombay
3. *Mechanism Design for Evolutionary Games in Special Interest Groups*  
11th Conference of the Society of Social Choice and Welfare, Aug 2012
4. *Exploratory Data Analysis with Python*  
Tutorial at the Fifth Elephant Conference on Big Data, Bangalore, July 2012
5. *Fourier and Hilbert - Two Views of Nonlinear Mechanics*  
IEEE National Students Conference 2012, Pune
6. *Time-Frequency Analysis with Python*  
International Conference on Python in Scientific Computing, 2012, IIT Bombay
7. *Compressed Sensing Solvers in Python*  
International Conference on Python in Scientific Computing, 2013, IIT Bombay

Several more talks and tutorial sessions on Python and data analysis delivered at various meetings.

## TECHNICAL STRENGTHS

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|------------------------------|--|
| <b>Programming languages</b> | Python, R, MATLAB, C, Lua  |
| <b>Software development</b>  | Continuous delivery and deployment, build and test infrastructure setups |
| <b>CI Tools</b>              | Working knowledge of Jenkins and Travis                                  |
| <b>Virtualization</b>        | Working knowledge of Vagrant, Packer, Virtualbox and VMWare              |
| <b>Other tools</b>           | LATEX, Mathematica, etc.   |

## OTHER PROJECTS

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- Mentor for pgmpy organization in the Google Summer of Code 2015 for projects dealing with sampling and approximate algorithms for probabilistic graphical models.
- Co-Mentor for the scikit-learn organization in Google Summer of Code 2014 for a project dealing with linear models.
- Mathematical modeling of centralized admission procedures (Sept 08 to Jan 09) (2nd prize in Avishkar Inter-varsity Research Festival 2009)
- Empirical mode decomposition based feature extraction for speech recognition (Feb 10 to May 10, course requirement)
- Analysis of empirical mode decomposition as a feature extraction method. (March 11 to Present)
- Development of an open-source toolbox for adaptive data analysis (July 11 to Dec 11, course requirement)
- Scikit-signal - A Python toolbox for signal processing (Jan 12 to Present)
- PyHHT - A Python toolbox for the Hilbert-Huang Transform (Jan 12 to Present)

## ACHIEVEMENTS

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- Earned a distinction in the Computing for Data Analysis class offered by Coursera.
- Earned a distinction in the Data Scientists Toolbox class offered by Coursera.
- Semi-finalist in the ARI Atlas Shrugged Essay Contest 09.

- Represented west zone in Avishkar Inter-varsity Research Festival 2008-09, won the first prize in the Humanities category.
- Editor of the college magazine Lighthouse in 2008 and 2009.
- Held 6th position in national debate contest organized by ToI and the Lok-Satta Party.

## **OTHER ACITIVITIES**

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- Active member of the Pune, Mumbai and Delhi Python users' groups.
- Co-founder of a forum for scientific computing in Pune.
- Active member of the Ayn Rand in India initiative.
- Active member of the IEEE.

## **HOBBIES**

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Reading, Writing, Music, Movies