

JAIDEV DESHPANDE

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EDUCATION

University of Pune
B.E. in Electronics

July 2012

EXPERIENCE

Cube26 Software Pvt Ltd
Data Scientist

Novemer 2015 - Present
New Delhi

- Design, implementation and maintenance of machine learning resources for the **ReosMessage** app.
- 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 environemnt.
- 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

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

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

OTHER PROJECTS

- 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

- 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

- 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

Reading, Writing, Music, Movies