



# Himanshu Rajmane

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Mumbai Suburban, Mumbai

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## EDUCATION

B.S. & M.S. (Dual), Science (2010 - 2015)

IISER Pune

CGPA : 6.00/10

B.S. & M.S. (Dual), Science (2010 - 2015)

IISER Pune

CGPA : 6.00/10

XII (Senior Secondary), Science

Year of Completion: 2010

CBSE Board (Kendriya Vidyalaya Bilaspur)

Percentage : 73.40%

X (Secondary)

Year of Completion: 2008

CBSE Board (KENDRIYA VIDYALAYA BELGAUM)

Percentage : 89.20%

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## JOBS

Teaching

Quistic Learning Center (Mumbai Suburban)

Mar 2016 - May 2016

Designing and teaching course modules in neuroscience and other fields for kids in age group 7-12 years old.

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## POSITIONS OF RESPONSIBILITY

- Founding member of Prutha, a green club with the aim of effective waste management and organization of plantation drive in nearby areas of institute for a healthy cleaner environment.
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## TRAININGS

## INSA- Leopoldina Symposium "Human Evolution Towards Language – From Genes To Behavior"

IISER Pune ()

Jan 2015 - Jan 2015

Evolution of Languages and search for genes in Songbirds that code for language learning capabilities.

## Computational Approaches To Memory And Plasticity Workshop

NCBS ()

Jun 2014 - Jul 2014

Introduction to various neural network simulators, detailed neuron models, frontier research talks by the respective project leaders and a short model development module in the end.

## Indian National Node For Neuro Informatics Workshop

IISER Pune ()

Dec 2013 - Dec 2013

Hipocampus, from synapses to behavior: The workshop was all about the research on Hipocampus, its role and function, and on pattern generations for formation of a navigational grid in it.

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## PROJECTS

### Dissertation project

Jan 2015 - Dec 2015

<http://github.com/hamborger/brian>

Analysis of spike propagation in feed forward excitatory-inhibitory neural networks. Under, Dr. Suhita Nadkarni and Dr. Collins Assisi, IISER, Pune (India).

### Spike activity propagation in canonical feed-forward neural networks

Jan 2014 - Jul 2014

Understanding the dynamics of Rulkov map model and design of a feed-forward neural network to understand spike activity propagation. Under, Dr. Suhita Nadkarni, Assistant Professor, IISER, Pune (India).

### Pattern generation in Hippocampus

Jun 2013 - Dec 2013

Understanding the role of theta oscillations in sequence generation in Hippocampus using Morris-Lecar neuronal network model. Under, Dr. Collins Assisi, Assistant Professor, IISER, Pune (India).

## Receptor expression profiling in Cancer cell lines

Jan 2013 - May 2013

Receptor expression profiling in different cancer cell lines when treated with PAF (Platelet Activating Factor), estradiol and investigating the role of NO in tumorigenesis and cancer cell proliferation. Under, Dr. Mayurika Lahiri, Assistant Professor

## Course module designing

May 2012 - Jun 2012

Designing teaching modules for remote elementary schooling in Agastya Foundation Campus, Kuppam, A.P.

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## SKILLS

### Python

Intermediate

### C++ Programming

Intermediate

### Matlab

Advanced

### Linux

Advanced

### Biology

Advanced

### Mathematics

Intermediate

### MS-Excel

Advanced

### MS-Office

Advanced

### HTML

Beginner

## Github

Intermediate

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### WORK SAMPLES

GitHub Profile:

<https://github.com/hamborger>

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### ADDITIONAL DETAILS

- 1. Gold medal in Science Olympiad school level
- 2. Received scholarship of Rs. 300000 (US\$ 4500) under Government of India's INSPIRE programme during graduate studies