

# Jishnu Jaykumar P

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## EDUCATION

### INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

BTECH IN INFORMATION

TECHNOLOGY | CGPA : 8.49

Aug 2013 - May 2017 | Vadodara, IN

### S.P.V. MODI HIGH SCHOOL

HSC | PERCENTILE RANK : 99.61

Jun 2011 - May 2013 | Rajkot, IN

### ST. MARY'S HIGH SCHOOL

SSC | PERCENTILE RANK : 99.32

Jun 2010 - May 2011 | Gondal, IN

## LINKS

Personal:// [jishnup](#)

LinkedIn:// [jishnu-p](#)

Blog:// [@jis\\_padalunkal](#)

Github:// [jishnujayakumar](#)

Twitter:// [@jis\\_padalunkal](#)

SlideShare:// [PJishnuJaykumar](#)

YouTube:// [The Hacks of Jishnu](#)

## COURSEWORK

### UNDERGRADUATE

Calculus

Data Structures

Pattern Recognition

Operations research

Information Security

Information Retrieval

Parallel Programming

Probability and Statistics

Algorithms and Problem Solving

### OTHERS

Coursera - Machine Learning

Udacity | Facebook - DL with PyTorch

Udacity | Google IN - Front End Dev

## SKILLS

### PROGRAMMING

Proficient:

Java • Python

Intermediate:

C • C++ • Shell • PHP

JavaScript • Matlab •  $\text{\LaTeX}$  • R

Familiar:

Keras • TensorFlow • PyTorch

OpenMP • FFmpeg • Git • Django

Flask • JavaFX • JSP/Servlet • NodeJS

## EXPERIENCE

### IISC BANGALORE | PROJECT ASSISTANT @ RBCCPS

July 2018 - Present | Bengaluru, IN

- Involved in developing **IUDX**, an open-source platform that allows easy exchange of data within Indian cities funded by the Ministry of Housing and Urban Affairs (MoHUA).
- Developed an end to end pipeline to sample Current and Voltage values at a frequency of 32K, store them in database and simultaneously plot the data on a chart. **Constraint: The entire pipeline should run within 1 second.**
- Involved in developing a video analytics framework using **CV and ML techniques** for traffic modeling.

### IISC BANGALORE | RESEARCH INTERN @ RBCCPS

Jan 2018 - June 2018 | Bengaluru, IN

- Used **CV and ML algorithms** on video data obtained from the cameras installed at the various traffic junctions to track vehicles and estimate speed.

### IIIT VADODARA | RESEARCH ASSISTANT

May 2017 - Dec 2017 | Gandhinagar, IN/Remote

- Continued my undergrad research with Dr. B. Chattopadhyay. and Dr. P. Ray.

## RESEARCH

### INDIAN INSTITUTE OF SCIENCE BANGALORE

PERSONAL RESEARCH

Apr 2018 - Oct 2018 | Bengaluru, IN

Improving Query Auto Completion methodologies with Dr. Parth Gupta (Amazon).

### INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

VADODARA | UNDERGRAD RESEARCH

Nov 2016 - May 2017 | Gandhinagar, IN

<https://doi.org/10.5281/zenodo.1235795>

## PROJECTS

### CRIME-R (CRIME-RETRIEVER) | MARCH 2016 - APR 2016

<https://goo.gl/WF7Jqo> | Programmed using Java, Python, Google Maps API

Won 2<sup>nd</sup> rank out of 35 teams for Tech stream at Hackathon'16, IIIT-V

### A DOCUMENT SEARCH ENGINE | JAN 2016 - APR 2016

<https://goo.gl/mXozQd> | Programmed using Java

Created a term pipeline for the ranked retrieval of documents.

## ACHIEVEMENTS

2018 Among top 10000 applicants

2018 Winner - Trip to Europe

2018 Selected from all India applicants

2017 Selected from all India applicants

2016 Among top 5% students

2016 Runner up out of 35 teams

2013 Among top 1% students

2013 Among top 0.4% students

2011 Among top 0.7% students

Facebook PyTorch Scholarship Challenge

India-EU ICT Standards OneM2M Hackathon

Google India Challenge Scholarship

RBCCPS, IISc Bangalore Research Internship

NPTel IMAD Course | <https://goo.gl/bE8kQ5>

IIIT-Vadodara Hackathon'16

Central Sector Scholarship Scheme, MHRD

Grade-12 (HSC)

Grade-10 (SSC)