

# Jishnu Jaykumar P

<http://jishnup.me> | [jishnuj@iisc.ac.in](mailto:jishnuj@iisc.ac.in)  
+91-8758599133 | Kerala, IN

## EDUCATION

### INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

BTECH IN INFORMATION

TECHNOLOGY | CGPA : 8.49 (Gold)

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

Coursera - Discrete Mathematics

Udacity | Google IN - Front End Dev

## SKILLS

### PROGRAMMING

Proficient:

Java • Python

Intermediate:

C • C++ • Shell • PHP

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

Familiar:

Keras • TensorFlow • ApacheSpark

OpenMP • FFmpeg • Git • Django

Flask • JavaFX • JSP/Servlet • NodeJS

## EXPERIENCE

### IISC BANGALORE | PROJECT ASSISTANT @ RBCCPS

July 2018 - Present | Bengaluru, IN

- Involved in developing a video analytics framework using CV and ML techniques for traffic modeling and Video IoT.

### 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. Bhargab Chattopadhyay. and Dr. Pradipta Ray.

## RESEARCH

### INDIAN INSTITUTE OF SCIENCE BANGALORE

PERSONAL RESEARCH

Apr 2018 - Present | 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

### TSP-TRAVELLING SALESMAN PROBLEM | JUL 2016 - NOV 2016

<https://goo.gl/p291nY> | Programmed using C++, Armadillo

Created two parallel code implementations of TSP to reduce computation time.

### 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

Created a web application which provides crime density at any location in India using IR and ML techniques. A mini Google for crime density.

### 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 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

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)