

# 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](http://jishnup)

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

Blog:// [@jis\\_padalunkal](http://@jis_padalunkal)

Github:// [jishnujayakumar](http://jishnujayakumar)

Twitter:// [@jis\\_padalunkal](http://@jis_padalunkal)

SlideShare:// [PJishnuJaykumar](http://PJishnuJaykumar)

YouTube:// [The Hacks of Jishnu](http://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

Intermediate:

C • C++ • Python • Shell • PHP

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

Familiar:

ApacheSpark • OpenMP

Git • Android • Laravel • Django • Flask

• JavaFX • SQL • JSP/Servlet • NodeJS

## EXPERIENCE

### IISC BANGALORE | RESEARCH INTERN @ RBCCPS

Jan 2018 – Present | Bengaluru, IN

- Creating smart apps like **Amazon Alexa** using the IDEAM-IOT-SDK.
- Using **Computer Vision and ML algorithms** on video data obtained from the cameras installed at the various traffic junctions to track vehicles and estimate speed for the Bengaluru Traffic Department.

### IIIT VADODARA | RESEARCH ASSISTANT

May 2017 – Present | Gandhinagar, IN/Remote

- Trying to publish my undergrad research with Dr. Chattopadhyay and Dr. Ray.

### EDUGORILLA | SOFTWARE ENGINEERING INTERN

June 2017 – Sep 2017 | Lucknow, IN/Remote

- Worked on the data-enrichment API of EduGorilla.

## RESEARCH

### INDIAN INSTITUTE OF INFORMATION TECHNOLOGY VADODARA | UNDERGRAD RESEARCH

Nov 2016 – May 2017 | Gandhinagar, IN

<https://github.com/jishnujayakumar/btpApp>

Worked with Prof Bhargab Chattopadhyay and Dr. Pradipta Ray to create a tool which does sample size determination for attaining maximum power under cost constraints. **NOTE: Publication to be submitted, drafting is in progress .**

## 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

This project involved making 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

This project involved creating a term pipeline in which an inverted index for the documents was created. Features like ranked retrieval of the documents and auto suggestion using the **TRIE** data structure was also worked out.

## 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)