

# SHREYAS MOUDGALYA

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## EDUCATION

**Illinois Institute of Technology** / Bachelor of Science in Computer Science

*Specialization:* Distributed and Cloud Computing

*Minor:* Circuits and Systems, Applied Mathematics

AUGUST 2014 - 2017, CHICAGO, ILLINOIS

- Operating Systems, Networking, Systems Programming, Data Structures, Assembly Programming, Circuit Analysis, Digital Systems, Discrete Mathematics, Matrix Algebra, Differential Equations.
- International Student Scholar - Scholars Program (Fall 2014 - Present)
- GPA: 3.876/4.00 • CS, ECE, MATH GPA: 4.00/4.00

## EXPERIENCE

**Illinois Institute of Technology** / Undergraduate Research Fellow at Data-Intensive Distributed Systems Laboratory | Teaching Assistant at the CS Department

AUGUST 2015 - PRESENT, CHICAGO, ILLINOIS

- Awarded Dean Betts' Summer Undergraduate Research Fellowship.
- Currently working on Graph Partitioning Algorithms for GRAPH/Z.

**National Instruments** / Hardware and Graphical System Design Intern

MAY 2015 - AUGUST 2015, BANGALORE, INDIA.

- Wrote system software involving LabVIEW for Patient Care and Monitoring System Signals.
- Using DAQ (MyDAQ and MyRIO) to collect, analyze and process real time Patient Data.
- Using NI Multisim and NI Ultiboard for Circuit and Power Analysis.
- Certified LabVIEW Associate Developer Certification..

**International Student Ambassador**/ Journal of Student Science & Technology

JUNE 2013 - JULY 2014, BANGALORE, INDIA

- Helped JSST build partnerships with multiple organizations.
- Gave presentations to various students in the field of Research Work & Journal.Promoted opportunities offered by JSST in various events and seminars.
- Helped build resources for students interested in Scientific Research.

## PROJECTS & RESEARCH

**BePositive+** / HERE Maps Hackathon

OCTOBER 2015, THE IDEA SHOP, CHICAGO, ILLINOIS

Worked on a location based android app that helps manage, track and control Blood Inventory Systems around the world.

**National Center for Health Care** / Conference Author

FEBRUARY 2013, MANIPAL INSTITUTE OF TECHNOLOGY, INDIA

Co-Authored a paper based on the idea of establishing a centralized data system which contains the health records of each person for better health care and epidemic disease spread recognition.

## SELECTED ACHIEVEMENTS

- Dean's List, August 2014 - Present.
- Honorable Mention, CS2050 Big Data Hackathon
- 2nd Place, "AllServe", StartUp IIT, Collegiate Entrepreneurs' Organization Pitching Competition.
- National Instruments Certified LabVIEW Associate Developer.
- Gold medal, International Standard of Abacus Mental Arithmetic Proficiency, Malaysia Book of Records.
- Bronze, The International Award for Young People.
- Honorable Mention, "Voice Operated Wheelchair for Disabled", PESU Amateur Scientist Contest.
- Guest Speaker, Visvesvaraya Technological Museum, Bangalore.
- Chosen by the Government of India to participate in one week Internship Program at Inspire Science Internship Camp, Christ University.
- ICSE Merit Certificate, Top 1 Percentile in the Country, Grade 10 Board Examination (95.6%).
- State Topper, State Ranking of 16 of 150,000 Students in 12 Board Examinations
- IIT JEE (Indian Institute of Technology) Mains Exam State Rank: 713 of 1.35 Million.
- Part of a selected group of students from the UK-India Education and Research Initiative (UKIERI) Student Exchange and Collaboration Program.

## STUDENT ORGANIZATIONS

**blITcoin IIT** / Vice President

AUGUST 2015 - PRESENT

**Vedic Vision Society** / Treasurer

AUGUST 2015 - PRESENT

## LANGUAGES & FRAMEWORKS

Proficient: Java, Python, C, MATLAB, HTML, CSS, Mathematica.  
Familiar: mySQL, JavaScript, AJAX, JQuery, Flask.