

# NISHANT ROY

580 Turner Place, NW, Atlanta, GA ♦ (470)-263-0378 ♦ nroy@gatech.edu ♦ nishantroy.github.io

## EDUCATION

**GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing**  
*Bachelor of Science in Computer Science (Threads: Intelligence and Networks)*

**GPA: 3.9**  
**Expected Graduation: May 2018**

**International Baccalaureate Diploma:** 40/45 points.

## SKILLS & CERTIFICATIONS

- **Programming Languages:**
  - **Proficient in:** Java, MATLAB
  - **Familiar with:** AngularJS, JavaScript, HTML, Python and PHP
- **Platforms:** Mac OS X, Windows and Linux Operating Systems.
- **Languages:** English (fluent), Hindi (native), French (familiar) and Spanish (working knowledge)
- **Online Courses:** Introduction to Marketing (University of Pennsylvania), How Things Work 1 (University of Virginia), Introduction to Mathematical Thinking (Stanford University).

## WORK EXPERIENCE

### NDTV Convergence

*Technical Intern/Consultant*

**May 2015 – Aug 2015**

*New Delhi, India*

- Identified and fixed security and design issues in the e-commerce web-app the software team was developing.
- Improved web-app accessibility by developing Voice Search and OCR features.
- Initialized user-experience customization by writing a script to parse emails for customer preferences and purchase history.

### College of Computing, Georgia Tech

*Undergraduate Teaching Assistant for CS 1371 (MATLAB)*

**Aug 2015 – Present**

*Atlanta, GA*

- Supplemented course lectures by teaching weekly recitations to 30 students on recursion, image processing, etc.
- Facilitated student learning by writing weekly homework problems pertaining to topics covered in class.
- Assisted students with weekly homework assignments by working a Help Desk three hours a week.

### College of Computing, Georgia Tech

*Student Assistant*

**Oct 2014 – Present**

*Atlanta, GA*

- Provided STEM exposure to minority students in Atlanta Public Schools through electronics and programming lectures.
- Instigated learning and interest amongst students through curriculum development and competitions.
- Optimized lecture preparation by managing and updating lab equipment (Arduinos, WeDo, Lego NXT/EV3 kits, etc.)

### Department of Housing, Georgia Tech

*Student Staff Member*

**Aug 2015 – Present**

*Atlanta, GA*

- Promoted communication and social learning amongst residents through community building events.
- Ensured the safety and well being of 435 residents as emergency contact and advisor.

## RESEARCH EXPERIENCE

### Georgia Tech e-Stadium Vertically Integrated Project Team

**Jan 2015 – Present**

- Enhancing Georgia Tech fans' experiences by providing play-by-play updates, stats, and videos for home football games.
- Improved user interface on desktop and mobile devices by rewriting web-app in the Ionic HTML5 Framework.

### Georgia Tech Grand Challenges Community

**Aug 2014 – Present**

- Developed concept of long-term schedule software for university students, selected for presentation to school officials
- Increasing the popularity of solar panels by researching methods to improve their efficiency by lowering operating temperatures to optimum levels

## ACTIVITIES

### Web-App/Mobile App Development

- **Moody Music:** Developed web-app using the Clarifai visual-recognition API, the Facebook Graph API and sentiment analysis to suggest songs for your contacts based on their Facebook photographs (SwampHacks 2016).
- **Drivers Ed App:** Developed concept and UI for social challenge Android app to encourage safe driving through tracking driving habits (GT College of Computing Student/Alumni Hackathon 2015).
- **GT Thrift Shop:** Developing multi-platform application for Georgia Tech students to buy and sell used/unneeded items.

### Sports Journalism (Trending Top Lists and Bare Naked Sports)

**May 2015 – Present**

- Published analytical and opinion-based articles about the National Basketball Association viewed by over 200,000 people.

## AWARDS

- **Dean's List** (Fall 2014, Fall 2015): Awarded to all undergraduates who during the preceding term made an academic average of 3.00 or higher.
- **Faculty Honors** (Spring 2015): Awarded to all undergraduates who during the preceding term made an academic average of 4.00.
- **Idea2Prototype Research Grant:** \$500 grant to build a prototype system to improve solar panel efficiency.