

NISHANT ROY

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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:** iOS, Swift, 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

- **Buzz Movie Search:** Developed iOS app allowing users to search for and rate movies using Swift, Interface Builder and Firebase as a backend.
- **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).
- **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.