NISHANT ROY

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, *College of Computing*	**GPA: 3.73**
Bachelor of Science in Computer Science (Threads: Intelligence and Networks)	**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

SAP Labs, LLC	**May 2016 – Aug 2016**
Developer Intern, Cloud for Customer Relationship Management	*Palo Alto, CA*

- Enhancing and standardizing the user interface for the Dev-Ops portal used internally.
- Improving network and server performance analysis through dynamic HTML5 Charts using Chart.js.

NDTV Convergence	**May 2015 – Aug 2015**
Technical Intern/Consultant	*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	**Aug 2015 – Present**
Undergraduate Teaching Assistant for CS 1371 (MATLAB)	*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	**Oct 2014 – Present**
Student Assistant	*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.)

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.