# 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: Dec 2017**

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

## SKILLS

- **Programming Languages**:
    - **Proficient in**: AngularJS, JavaScript, HTML, Java, Ionic Framework
    - **Familiar with**: SQL, Bootstrap, iOS, Swift, Python and PHP
- **Back-End Technologies:**
    - **NOSQL**: Firebase, MongoDB
    - **SQL**: SAP Hana Cloud Platform, MySQL, phpMyAdmin
- **Platforms**: Mac OS X, Windows and Linux Operating Systems.
- **Languages**: English (fluent), Hindi (native), French (familiar) and Spanish (working knowledge)

## WORK EXPERIENCE

**SAP Labs, LLC**                                                                 **May 2016 – Aug 2016**
*Developer Intern, Cloud for Customer (C4C) Relationship Management*              *Palo Alto, CA*
- Enabled product performance and usage pattern analysis through data visualization.
- Improved efficiency by automating Key-Performance Indicator (KPI) report generation.
- Enhanced and standardized the interface of the internal Performance & Usage Analytics application using AngularJS.

**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.

## PROJECTS

**Web-App/Mobile App Development**
- **Buzz Movie Search**: Developed iOS and hybrid app allowing users to search for and rate movies using Swift, Interface Builder (for iOS), Ionic/AngularJS (for hybrid) and Firebase as a backend.
- **RideSave**: Developing hybrid app (using Ionic) to compare prices across rideshare services (such as Uber & Lyft) to get the best price for your trip.
- **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).
- **Correlating students' schedules and health**: Tracking sleep and heart-rate data from wearables (e.g. Fitbit, Apple Watch, etc.) to gauge stress levels amongst college students based on the courses they are taking.