

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: 3.73

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

Developer Intern, Cloud for Customer (C4C) Relationship Management

May 2016 – Aug 2016

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

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.)

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).
- **Sleepless Courses:** Using sleep data from Fitbits and student course schedules to estimate which courses are causing the most lack of sleep and visualize this data.