

**TILAK PATEL**  
**GEORGIA INSTITUTE OF TECHNOLOGY**  
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## **EDUCATION**

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### **GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA**

*August 2013 – December 2016*

- Candidate for Bachelor of Science in Computer Science
- GPA: 3.61
- Related Coursework: Data Structures and Algorithms, Database Systems, Objects and Design, Computer Organization and Programming, Information Visualization, Computer Systems and Networks, Machine Learning, Computer Simulation

## **SKILLS**

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**Programming:** Java, HTML, CSS, JS (D3), Python, SQL & NoSQL (Basic), C (Basic)

**Standards & Frameworks:** Android SDK, JUnit, XML, JSON, JQuery, ExtJS, Jasmine, Spring (Basic), Servlets (Basic), Maven

**Version Control:** Git, Subversion

**Software:** Adobe Creative Suite (Photoshop CS6, Illustrator CS6), Android Studio, IntelliJ, Eclipse, SPSS

**Foreign Languages:** Fluent in Hindi and Gujarati, Basic Spanish and French

## **PROFESSIONAL EXPERIENCE**

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### **IBM, Raleigh, NC**

*May 2015 – August 2015*

*WebSphere Portal System Performance, Software Developer Intern*

*(Working Part-time)*

- Developed a Java servlet to analyze statistical quality assurance data such as TPS (transactions per second) and response time between runs/builds using SPSS, a statistical analysis package
- Automated the statistical analysis by invoking the SPSS Java interface from within the Java program
- Parsed the output provided by the statistical analysis and displayed it on a single page web application
- Reduced time needed to produce the statistical analysis by 95%

### **GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA**

*August 2014 – October 2014*

*ADAM Lab (Drawing Apprentice), Front-end Research Assistant*

- Designed a method to take an array of points (from server side) and draw them dynamically (in time) on a HTML canvas
- Developed an interface for controlling the Drawing Apprentice sketching system manually
- Fixed minor bugs (improve UI) for a HTML canvas

### **HEWLETT-PACKARD (HP), Alpharetta, GA**

*May 2014 – August 2014*

*Enterprise Architecture and Frameworks, Technical Development Intern*

- Added a new, improved splash-screen for two web consoles using HTML, CSS, and ExtJS
- Conducted integration testing and unit testing via JavaScript plugins such as Jasmine and Siesta of the two web consoles
- Enhanced the UI for the two web consoles by switching from the classic ExtJS UI to a new Flat UI
- Refactored through more than 10 controllers in order to improve maintainability

## **LEADERSHIP**

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### **BAPS ATLANTA TEMPLE, Lilburn, GA**

*August 2009 – Present*

*Creative Director, Graphics Designer Leader*

- Successfully led the inaugural National Convention 2013 for 10,000 attendees with a \$10,000 budget by executing and designing 60 exhibition panels, which will now become a permanent exhibition for the temple
- Designed a plethora of posters, brochures, wallpapers for the temple's different occasions

## **TECHNICAL EXPERIENCE**

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### **GOOGLE**

*May 2015 – August 2015*

*CodeU Mentorship Program, Participant*

- Worked on a series of technical exercises focusing on data structures and algorithms under the guidance of a Google engineer mentor
- Completed Udacity's Developing Android Apps course, and worked with one other participant to create an Android app in two weeks

## **PERSONAL PROJECTS**

- **TL;DR (Android App):** Summarize articles in order to make it easier for users to take a preview of the text without reading it. Functionalities include save, share, and display article summaries automatically based on alarms.
- **Vachanamrut Study App (Android App):** Read the Vachanamrut (scripture of Swaminarayan Organization) in Gujarati as well as the English translation. Functionalities include search, notes, language toggle, auto-scroll, and night mode.
- **Attendance.io (WebApp):** Edit Google Spreadsheet via a HTML page that uses Google Apps Script (JS) in order to mark people as present for weekly assemblies held at temple.

## **ACTIVITIES AND INTERESTS**

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- Programming Team, GT WebDev, GIT MAD (Make Mobile Apps), Intramural Sports (Basketball, Dodgeball), 3D Printing