

# SAI AKHIL PENDYALA

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## EMPLOYMENT

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<b>Application Developer, Intern</b>	<b>Right Link, India</b>	<b>June 2016 – May 2017</b>
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Project: Snap Chart

- Developed Android application for data entry and sales tracking utilizing Google API's. Java, XML, PHP, SQL

<b>Research Assistant</b>	<b>University at Buffalo, SUNY</b>	<b>Fall 2015 – Spring 2016</b>
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Project: LPC Commissioning

- Developed Android application to assist factory floor employees to track and maintain assets at job site. Java, XML, HTTP POST and SQL

<b>Application Developer, Intern</b>	<b>Accendo Technologies</b>	<b>May 2015 – August 2015</b>
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Project: Accendo Chat

- Designed user interface for messenger app which sends and receives messages between two clients and a server. XML

## EDUCATION

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<b>Buffalo, NY</b>	<b>University at Buffalo, SUNY</b>	<b>2017</b>
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- B.Sc in Computer Science with Minor in Mathematics. Dean's list. GPA: 3.6.
- Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Image Processing and Comp. Vision; Calculus III; Probability and Inference.

## TECHNICAL EXPERIENCE

### Projects

- Twitter clone** (2017). A Web application similar to the popular website twitter using MVC. HTML, CSS, jQuery, PHP and MySQL.
- CodePlayer** (2017). A Web application for testing and learning front end technologies like HTML, CSS and JavaScript.
- EquipSavy** (2016 - present). A Web application for tracking and checking out lab equipment from University labs. Utilized Scrum software development framework and Google Firebase. JavaScript, CSS, HTML, jQuery
- Operating System** (2016). A university group project involving the extension of a simple OS named 'Pintos'. Tasks included extending the system with threads, the ability to run user programs and virtual memory. The project placed emphasis on concurrency (implementing OS-level semaphores), debugging large systems and memory management. C
- Drink Smart** (2015). Android application which takes into account the amount of alcohol one has consumed and determines whether it is safe to drive. If deemed unsafe, the application redirects to book a cab for the user to take home. Java, XML
- Student Information and System** (2014). Built system to store personal, academic and housing details of students. Implemented using file handling concepts. C++

*More projects can be found at <https://github.com/akhilpen>*

### Languages and Technologies

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#### Programming Languages

C++; C; Java; JavaScript; Python; PHP; Swift

#### Tools

Git; HTML5; vim; Android Studio; xcode

#### Assembly Languages

VHDL; Verilog; 8086; M68HC11; MIPS

#### Databases

MySQL

#### Operating systems

Windows; UNIX; Linux (Ubuntu, Kali)

#### Current Interests

Node.js; Hadoop; Django; Amazon AWS