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SAI AKHIL PENDYALA

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EMPLOYMENT

Application Developer, Intern	Right Link, India	June 2016 – August 2016
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Project: Snap Chart

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

Research Assistant	University at Buffalo, SUNY	Fall 2015 – Spring 2016
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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

Application Developer, Intern	Accendo Technologies	June 2015 – August 2015
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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

Buffalo, NY	University at Buffalo, SUNY	May 2017
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- B.Sc in Computer Science with Minor in Mathematics. 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

- 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++

ADDITIONAL EXPERIENCE AND AWARDS

- Dean's list (Fall 2015)
- Top 5% of class (Spring 2016)

Languages and Technologies

Programming Languages

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

Tools

Git; HTML5; vim; Android Studio

Assembly Languages

VHDL; Verilog; 8086; M68HC11; MIPS

Databases

MySQL

Operating systems

Windows; UNIX; Linux (Ubuntu, Kali)

Current Interests

Node.js; Hadoop; Ethical Hacking; Amazon AWS

Excellent References Available Upon Request