

Avinash Reddy Penugonda

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EDUCATION

Master of Science in Computer Engineering, University of Illinois at Chicago, GPA: 3.68/4 May 2017 (Expected)

Related Coursework: Object oriented Languages & Environments, Computer Algorithms, and Parallel Processing

Bachelor of Technology in Electronics and Communication Engineering, RGUKT (IIIT) Nuzvid, GPA: 4/4 May 2015

Related Coursework: Algorithms & Data structures, Database Management Systems, Operating Systems, Internet Technology, Computer Organization & Architecture

TECHNICAL SKILLSET:

Languages: C, Java, Python, HTML5, CSS3, PHP, JavaScript, MATLAB, MySQL, Node.js (basics)

Tools: MS Office 365, Visual Studio, Dreamweaver, Google Analytics

EXPERIENCE

Web Developer, College of Engineering, University of Illinois Chicago [Team size: 3] June 2016 – Current

- Create website layout/ user interface by using standard HTML/CSS practices.
- Strong knowledge on SQL programming and maintenance of CentOS server in command line interface.
- Working experience with network diagnostics and network analytical tools.

Technologies used: HTML, PHP, CSS, JavaScript, MySQL, APACHE

ACADEMIC PROJECTS & OTHERS

TinderGram Vacation Planner, Hack the North 2016, University of Waterloo [Sep 2016] [Team size: 2]

- To develop an application that helps you login to the website, compare two destinations and gives you the best voted destination among all users.

Technologies used: Html, CSS, JavaScript, Node.js, Cockroach dB, Linode

Symptoms Tracker, MedHacks 2016, John Hopkins University [Sep 2016] [Team size: 1]

- Worked with Amazon Echo in developing a skill that helps people find information for any health problem from Wikipedia and also tracks the health problem based on symptoms from Apimedic API.

Technologies used: Node.js, Amazon Echo, Amazon Lambda, Apimedic API, Wikipedia API, Json

GeoTweet [Aug 2016] [Team size: 1]

- Takes location and twitter hashtag as an input from the user, converts location into co-ordinates using the Google Maps API and send it to the twitter API to collect all the tweets of the location based on the hashtags.

Technologies used: Html, CSS, PHP, Rest, Google maps API, Twitter API

Smart Body Monitoring System, Hack Illinois 2016, UIUC [Feb 2016] [Team size: 2]

- Track body vitals of a patient, predict and inform the nurse and doctor when the body vitals are critical and store all the critical data to the AT&T M2X cloud to derive useful results from the data.

Technologies used: Intel Edison, Embedded C, AT&T M2X Data Service, AT&T Flow Designer, JSON, Rest

Raspberry Pi based Drug Management system (Internet of Things) [Team size: 3]

- Integrated database into Raspberry Pi to maintain a central database which keeps track of all the drug sales

Technologies used: Python, Html, PHP, MYSQL dB

Raspberry Pi & GSM based OTP delivery system for small scale firms [Team size: 3]

- My role was to code in Python to interface GSM module to Raspberry Pi using GSM modem library.
- The designed system cuts down installation and maintenance costs by 20% and 80% respectively.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Campus ambassador for ELAN'14, a technical fest conducted by IIT Hyderabad, 2014
- Active Member of Helping Hands, a social organization established at our university to help the needy
- Organizer, Badminton doubles championship as a part of University's games, sports & cultural meet, 2014