Aditya Dakur

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EDUCATION

Texas A&M University, College station, Texas   **GPA: 4.0 / 4.0**
Master of Science, Management Information Systems   May 2018

Vellore Institute of Technology University, Vellore, India   **GPA: 3.95 / 4.0**
Bachelor of Technology, Information Technology   May 2013

TECHNICAL SKILLS

Programming Languages: C++, Java, Python, Perl
Web Development: PHP, HTML/CSS/JavaScript, jQuery, AngularJS, d3.js, XML, JSON, MongoDB, MySQL, Hadoop
Other: Amazon Web Services (AWS), Tableau, YANG, Selenium, JUnit, JIRA, Git, Puppet, Vagrant, Jenkins, Docker, Nagios
Operating Systems: Linux, UNIX, Windows

EXPERIENCE

Juniper Networks   Sunnyvale, CA
Software Engineer Intern   May – Aug 2017

- Implemented a Model-driven automation library "Stitch" in **Python** to remotely configure network devices by leveraging data models to accelerate automation and deliver network architecture using **MongoDB** data store for caching
- Developed the framework, data models, methods using **NETCONF** and **YANG** to configure and implement services on devices

Hubvents   Hyderabad, India
Software Development Engineer   June 2013 – July 2016

- Led a team of 3 to build from scratch a real-time tracking and reporting application for the **Internet of Things(IOT)** based product SmartTrack using **Python**, **MySQL**, **HTML** and **JavaScript** ;deployed at events with an average of 10,000 attendees
- Collaborated with a team of 5 to build range of SaaS based software modules in **PHP** using MVC design patterns
- Developed a notification system with **Java** and **MongoDB**; increased customer engagement by 30%
- Automated unit testing, production testing in **JUnit, Selenium**; provided post-production support to up to 100 users daily

Pittnachioff Quantitative Finance   Hyderabad, India
Developer (Part-time)   October 2013 – March 2014

- Organized data flow architecture through **ETL** and created an application leveraging predictive modeling methods
- Analyzed historical financial stock markets data of last 30 years using **REST**ful Yahoo Finance API, **HTML**, **AngularJS**, **PHP** and **MongoDB**; improved overall functionality, speed and reduced operational costs by 15%

Azri Data Engineering & Visual Analytics   Hyderabad, India
Developer (Part-time)   August 2013 – October 2013

- Identified data requirements and prepared data mappings and dictionaries for a data mining tool for United Nations Development Programme with help of **Python**, **HTML**, **jQuery** and **d3.js**; reduced maintenance costs by 7%
- Designed **Business Requirement Documents**, performed **GAP analysis** to analyze data from more than 5 million people

S&P Global Market Intelligence   Hyderabad, India
Software Developer Intern   May 2012 – July 2012

- Delivered a revised reporting dashboard for database monitoring and employee performance tracking in **HTML**, **CSS**, **JavaScript** and **Microsoft SQL Server** database; demonstrated thorough understanding of SDLC process
- Facilitated monitoring of 1500 employees and 10 servers; assisted senior decision making across 4 departments

PATENTS

Method and Tool for Interactive Generation of Clinical Trials Budgets and Real-time outsourcing (PCT/IB2015/057024)

CERTIFICATIONS

- Completed Cisco's **CCNA** certification; demonstrated understanding of Network Fundamentals
- Scored 93 percentile on Brainbench's JavaScript 1.8 Certification test

ACHIEVEMENTS AND ACTIVITIES

- Graduate Research Assistant for College of Education, Human Development at Texas A&M University
- Active member of Texas A&M University Cyber security club and Business information technology students (BITS)
- Top 11% of all users as of Jan 2017 on StackOverflow, a popular programming Q&A site
- Contributed to various open source projects such as jQuery, JavaScript, d3.js etc. on Github