

# ADITYA DAKUR

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## EDUCATION

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Texas A&M University, Mays Business School, College Station, Texas  
**Master of Science, Management Information Systems**

GPA: **4.0 / 4.0**  
May 2018

- *Member of Texas A&M Cyber security club*
- *Member of Business Information Technology Students (BITS)*

Vellore Institute of Technology University, Vellore, India  
**BE, Information Technology,**

GPA: **3.95 / 4.0**  
May 2013

- *Joint Secretary, Student Council (2011-2012)*
- *Student Coordinating Committee Member, Gravitas 2011, International Technical Fest of VIT University*

## WORK EXPERIENCE

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**Texas A&M University, Mays Business School**

College Station, Texas

*Graduate Teaching Assistant, Statistical Methods for Business (SCMT303)*

Aug 2016 – Present

- Assisted the professor with grading of tests, assignments, help desk hours, class exercises, and proctoring exams

**Hubvents**

Hyderabad, India

*Software Development Engineer*

Jun 2013 – Jul 2016

- Collaborated with a team of 5 to assist in Requirement gathering, analyzing and base lining Business Requirement Documents (BRD) to build range of SaaS based software modules in Java, R, Python and MySQL
- Provided primary liaisons between business and development team; improved client interaction by 20%

**Pittnachioff Quantitative Finance**

Hyderabad, India

*Developer (Part-time)*

Oct 2013 - Mar 2014

- Produced analysis of financial stock markets data of last 30 years with Yahoo Finance API, HTML, JavaScript, PHP and MongoDB; demonstrated thorough understanding of Software Development Life Cycle (SDLC)

**Azri Data Engineering & Visual Analytics**

Hyderabad, India

*Developer (Part-time)*

Aug - Oct 2013

- Identified data requirements and prepared data mappings and dictionaries for a data mining tool for United Nations Development Programme with help of R, Python, jQuery and d3.js; reduced maintenance costs by 7%

**S&P Capital IQ**

Hyderabad, India

*Software Developer Intern*

May - Jul 2012

- Delivered a reporting dashboard for SQL Server database monitoring and employee tracking of more than 1500 employees and 10 servers in HTML, CSS and JavaScript; facilitated senior decision making across 4 departments

**Microsoft I-spark Lab, VIT University**

Vellore, India

*Student Developer*

Aug- Oct 2012

- Conceptualized 'Billit', a phone app to track and manage bill payments; selected from over 100 contestants

## RELEVANT PROJECTS

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*Data Trends Visualization generator*

Mar – Jun 2015

- Designed and implemented a tool that generates interactive, shareable Web visualizations of diverse datasets using MongoDB, ExpressJS, AngularJS and Node.js

*Real time trends Based on Data Extraction & Sentiment Analysis of Forum Comments*

Jun – Sep 2014

- Developed a prototype that uses of both data mining concepts and natural language processing techniques to process large amounts of data in the form of online discussions from forums to produce active trends

- Roundcube Auto Login external auth module** *Feb – Mar 2014*
- Scripted a plugin to login to Roundcube, a free and open-source web-based IMAP email client, from external third party application in PHP
- Multi-domain Email client using Kanban board workflow** *Jan – Mar 2014*
- Developed an application using IMAP/SMTP/POP3 to manage emails and files and show these as kanban boards, with associated notes and comments
- Excess demand trend analysis of stock market data** *Oct – Dec 2013*
- Application using Excess demand trend analysis and Susceptibility indices of stock market data of past 25 years to determine stock vulnerability based on Tsallis statistics
- Data-mining tool for "A Million Voices: The World We Want" report, United Nations Development Group** *Aug – Oct 2013*
- A data-mining tool which enables people to engage, visualize & analyze peoples' voices on sustainable development for Post 2015 Development Agenda using R, PHP, MongoDB and d3.js
- Tourism Management Portal** *Feb – May 2012*
- Created a portal using PHP, MySQL and Twitter Bootstrap; demonstrated the understanding of full SDLC

## MAJOR PUBLICATIONS

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- "Eavesdropping and interception security hole and its solution over VoIP service" presented and published in 2014 IEEE Global Conference on Wireless Computing and Networking (GCWCN), Lonavala, India
- "Trustworthy Coordination of Web Services Atomic Transactions for Net Banking" published in International Journal of Scientific and Engineering Research, Volume 4, Issue 10

## PATENTS

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- Method and Tool for Interactive Generation of Clinical Trials Budgets and Real-time. International Patent Pending PCT/IB2015/057024 filed September 14, 2015

## TECHNICAL SKILLS

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- **Operating Systems:** Unix, Linux, Windows
- **Programming Languages:** C/C++, Java, PHP, Python, R, HTML, CSS, JavaScript and Node.js
- **Databases:** SQL (MySQL and Oracle), NoSQL (Mongo DB, Redis, Neo4j)
- Completed Module One of Cisco Certified Network Associate [CCNA]
- Scored 93 percentile on Brainbench's JavaScript 1.8 Certification test
- Top 11% of all users as of Jan 2017 on StackOverflow, a popular programming Q&A site

## COMMUNITY/VOLUNTEER EXPERIENCE

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**Make a Difference, Hyderabad, India**

**Ed-Support Volunteer**

*Jul 2014 – Apr 2015*

- Worked as an Ed-Support Volunteer for a NGO to mentor and teach 10th grade children at shelter homes and orphanages in Hyderabad, India.

## AWARDS, HONORS & LEADERSHIP EXPERIENCE

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- Coordinated the 1st National Level Conference on Energy Efficient Computing at VIT University.
- Worked as a coordinator at the National workshop on Practical challenges in Cloud Computing at VIT University.
- Organized ASP.NET Workshop conducted by Microsoft and School of Information Technology at VIT University.
- Received First prize at Times of India NIE Regional Quiz Competition 2004 and 2006 at Hyderabad, India.
- Received Intel National Award for the Best Integration of Technology in Education for a project in 2003.
- Received Second prize at SOS Children's Villages Inter-School Quiz Competition, Hyderabad, India in 2005
- Finished in top 10 of TAMU-ctf competition showcasing excellent forensics, cryptography and reverse engineering