

ADITYA DAKUR

3902 College Main St, Apt. 501 Bryan, TX

Phone: +1 979-985-8479

Email: aditya91@tamu.edu

LinkedIn: [linkedin.com/in/aditya-dr](https://www.linkedin.com/in/aditya-dr)

URL: www.aditydr.github.io

EDUCATION

Texas A&M University, Mays Business School

CGPA: -

MS, Management Information Systems, Aug 2016 - May 2018

- Graduate Teaching Assistant, Statistics in Business (SCMT 303)

Vellore Institute of Technology University, Vellore, India

CGPA: **3.95/4.00**

BE, Information Technology, Jul 2009 - May 2013

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

WORK EXPERIENCE

Hubvents

Hyderabad, India

Software Development Engineer

Jun 2013 – Present

- Developed a wide range of Analytics modules enabled with a real-time notifications system for instant delivery of updates using Redis, MongoDB and PHP; increased user engagement by 30%.
- Implemented a recommendation engine using graph database (Neo4j) to connect users with similar interests based on matrix factorization and neighborhood methods; improved user interaction by 20%.

Pittnachioff Quantitative Finance

Hyderabad, India

Developer (Part-time)

Oct 2013 - Mar 2014

- Designed a framework, organized requirements and wrote an application leveraging predictive modeling methods to produce analysis of financial stock markets based on historical data of last 30 years.

Azri Data Engineering & Visual Analytics

Hyderabad, India

Developer (Part-time)

Aug - Oct 2013

- Created a data mining tool using new visualization techniques for United Nations Development Programme; enabled more than 5 million people to engage and analyze opinions on Post 2015 Development Agenda.

S&P Capital IQ

Hyderabad, India

Software Developer Intern

May - Jul 2012

- Contributed in delivering a revised reporting dashboard for database monitoring and employee performance tracking of more than 1500 employees and 10 servers; enabled senior decision making across 4 departments.

Microsoft I-spark Lab

VIT University, India

Student Developer

Aug - Oct 2012

- Conceptualized and proposed idea 'Billit' to track, maintain and handle bill payments; selected from over 100 contestants as part of a team of 2.

RELEVANT PROJECTS

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 where people can buy or rent Hotel rooms, select tour packages as well a review them and recommend to others.
 - Demonstrated the understanding of full SDLC and presentation skills. Received S grade on the project.

MAJOR PUBLICATIONS

- "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

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

TECHNICAL SKILLS

- 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 12% of all users as of Nov 2015 on StackOverflow, a popular programming Q&A site.

COMMUNITY/VOLUNTEER EXPERIENCE

Make a Difference, Hyderabad, India

Ed-Support Volunteer *Jul 2014 – Apr 2015*

- Worked as 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

- Worked as a Coordinator at 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.
- Worked as a student Organizer at ASP.NET Workshop conducted by Microsoft and School of Information Technology, VIT at VIT University.
- Received First prize at Times of India NIE Regional Quiz Competition 2004 and 2006 at Hyderabad, India.
- Worked on a project which received Intel National Award for the Best Integration of Technology in Education in 2003.