

# DHEERAJ P. SRIVATSAV

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[LinkedIn](#) [Website](#) [GitHub](#)

## EDUCATION

University of Missouri-Columbia  
Master of Science in Computer Science  
Visveswaraya Technological University (VTU), India  
Bachelor of Engineering in Computer Science

Graduation: *May 2017*  
GPA: 3.5  
*June 2014*  
GPA: 3.7

## SKILLS

- Languages: HTML5, CSS, SQL, Java, PHP, JavaScript, C/C++, jQuery, Bootstrap, AngularJs
- Tools: Visual Studio, MS SQL Server, AWS, Blackboard, Git, SVN, Jenkins, JIRA, TFS, Unix

## WORK EXPERIENCE

Software Developer Intern, DuPont Pioneer, Johnston, IA

*May 2016 - Aug 2016*

*Part of the team working on World's leading precision agriculture software - ENCIRCA*

- Implemented custom directives and controllers to consume RESTful Web Services in a TDD process
- Updated stored procedures using MS SQL
- Satisfied business requirements via non breaking changes in a Continuous Integration environment
- Refactored code modules by enhancing readability and efficiency, helping future development
- Embraced AGILE methodology of Software Development Cycle

Web Application Programmer, Technology Services, University of Missouri

*Aug 2015 - Dec 2016*

*Student developer, worked on in-house business applications*

- Migrated EXCEL/ACCESS based applications to PHP/C# web applications used for Business Solutions
- Created and updated databases, tables and procedures
- Adopted good version control techniques and project management tools to design and ship software
- Identified, documented and fixed bugs while providing support for the applications

Graduate Teaching Assistant, Department of Computer Science

*Jan 2015 - present*

*Lead TA - Algorithm Design and Programming with average student enrollment of 300/semester*

- Acted as a liaison between the Professor and a team of 8 TAs, by scheduling and delegating tasks
- Designed and developed programming assignments in accordance with the syllabus
- Teaching, monitoring and grading lab sessions consisting of 30 students every week
- Effectively managed records for all the students and provided one-one help during office hours

## PROJECTS

- Generating social heat maps of trending topics from Facebook and Google (cloud computing): Implemented the working of application on Amazon Web Services (AWS) and GENI cloud platform. Also performed the database set up for the trending topics using MySQL & PHP interface.
- Purchase Card Manager: A Financial transaction management application to track and approve transactions. Designed and developed transaction creation module, to support different access levels and statuses. Released to serve 4 departments at College of Business in Dec 2016.
- Mood Toolkit Dashboard: A configurable data analytical dashboard application to support research studies. It manages survey data of different studies/participants and utilizes Highcharts for plotting
- Prediction of Alcohol Craving using Multiple Bayesian Networks: A predictive data analysis of Alcohol Craving of different subjects using Bayesian Networks. Involved with data cleaning, preprocessing and deriving the formulae for Bayes probability prediction.

## EXTRA CURRICULAR ACTIVITIES

Treasurer at Computer Science Graduate Student Council.  
Semester Welcome Volunteer with International Center, University of Missouri.

*2015 - present*

*2015 - present*