

DHEERAJ P. SRIVATSAV

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

EDUCATION

University of Missouri-Columbia

Graduation: **May 2017**

Master of Science in Computer Science

GPA: 3.5

Visveswaraya Technological University (VTU), India

June 2014

Bachelor of Engineering in Computer Science

GPA: 3.7

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 store procedures using MS SQL to update/add product features
- Debugged and fixed bugs of various priorities, thereby reducing team's backlog by 30%
- Satisfied business requirements via non breaking changes in a Continuous Integration environment
- Refactored code modules by enhancing readability, efficiency and reduced size by more than 50%
- Embraced AGILE methodology throughout the Software Development Cycle

Web Application Programmer, *Technology Services*, University of Missouri

Aug 2015 - Dec 2016

Student developer, worked on in-house business applications

- Migrated 2 EXCEL/ACCESS based applications to PHP/C# web applications used for Business Solutions
- Created and updated databases, tables and procedures to handle data flow on MS SQL Server
- Adopted good version control techniques and project management tools to design and ship software
- Identified, documented and resolved bugs while providing support for the applications

Graduate Teaching Assistant, *Dept. 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 C, 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

- **Social HeatMaps - Trending topics from Twitter and Google APIs:** Part of Cloud Computing coursework, deployed and orchestrated the application on AWS and GENI platform. Also, performed database set up (MySQL & PHP) and utilized CloudWatch to generate usage and performance metrics.
- **Purchase Card Manager:** A Financial transaction management web application to track and approve transactions. Designed and developed transaction creation module on a WIMP stack, to support different access levels/statuses. Released to serve 4 departments at College of Business in Dec 2016.
- **Mood Toolkit Dashboard:** Developed a configurable data analytical dashboard to support research studies of various surveys/participants, by leveraging Angular, Python, MySQL and Highcharts.js
- **Prediction of Alcohol Craving:** Predictive data analysis of Alcohol Craving of different subjects using multiple Bayesian Networks. Involved with data cleaning, preprocessing and deriving the formulae for Naïve Bayes probability prediction resulting in 74% accuracy.

SKILLS

- **Technologies:** HTML, CSS, SQL, Java, PHP, JavaScript, C, jQuery, Bootstrap, AngularJs, Python, d3.js
- **Tools:** Visual Studio, MS SQL Server, AWS, Git, SVN, Jenkins, JIRA, TFS, Unix, .NET, MVC, Blackboard

EXTRA CURRICULAR ACTIVITIES

Treasurer at Computer Science Graduate Student Council

2015 - present

Semester Welcome Volunteer with International Center, University of Missouri

2015 - present