Vamshi Pasunuru

CONTACT INFORMATION	CSA Department, Indian Institute of Science Bangalore, 560012, India.	*Mobile:* (091) 8105186170 *E-mail (Work):* vamshi@csa.iisc.ernet.in *WWW: http://pvam.github.io*

RESEARCH INTERESTS

Database Systems (Query Optimization, Data Analytics), Algorithms.

EDUCATION

Indian Institute of Science (IISc), Bangalore, Karnataka, India
Department of Computer Science and Automation (CSA)
   M.E , July 2016 (expected)

- Focus : Database Systems
- Advisor: Jayant R. Haritsa

Osmania University, Hyderabad, Telangana, India.

   B.E, Computer Science and Engineering , June, 2014

ACADEMIC EXPERIENCE

Teaching Assistant   **August, 2015 - present**
Teaching Assistant in CSA, IISc for E0261: Database Management System Course offered by Prof. Jayant Haritsa for Aug2015 - till date.

SELECTED PROJECTS

Finding similarity across relations using Support estimation   **January-May 2015**
Developed a sampling based estimation algorithm to find the similarity across relations. Goal is to get the similarity by looking at fraction of data at both source and target and come up with relevant attributes to estimate similarity.

Enhancing NECTAR   **January-May 2015**
NECTAR(Nash Equilibria CompuTAtion Resource) is a platform-independent software tool for computing Nash equilibria of strategic form games and extensive form games. As part of the project, we replaced IBM's proprietary lp solver "cplex" with "lpsolve" and also made it web-accessible to reach more people.

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COMPUTER SKILLS

- Statistical Packages: R, S-Plus, BUGS; some experience with SAS; extensive use of C and Fortran statistical libraries.
- Languages: C++, Perl, Pascal, some use of Unix shell scripts, MPI parallel processing library.
- Applications: Generic Mapping Tools (GMT) - Unix mapping software, LaTeX, common Windows database, spreadsheet, and presentation software
- Algorithms: Experience programming Markov Chain Monte Carlo simulations of Bayesian posterior distributions
- Operating Systems: Unix/Linux, Windows.