

Objectives

Seeking a research oriented position with a reputed organization.

Education

- **National Institute of Technology(NIT), Calicut, India.** Jul. 2007 - May 2011
B.Tech in Computer Science and Engineering CGPA: 8.8/10.0
 - Areas of Interest : Social Networks, Graph Theory and Data Mining.
 - Awarded the highest grade ‘S’ among 102 students for the Bachelor’s Thesis.
 - Thesis Title: “Structure and Function of Social Networks”.
 - Major CGPA : 9.35/10.0.
 - Department Rank 2nd, 4th and 2nd in the 5th, 6th and 8th semesters.

Selected Projects

- **Structure and Function of Social Networks** Senior Thesis
Guide: Dr. K. Muralikrishnan, Assistant Prof., NIT Calicut. Sept. 2010 - Apr 2011
 - Investigated efficient decentralized search mechanisms in models of Social Networks using analytic studies and simulations. Report available at <http://jeffreyjohn.6te.net/Reports/report.pdf>
 - Co-advised by Praphul Chandra, Senior Research Scientist, HP Labs, Bangalore.
- **Bin Packing for Virtual Machines** Research Project
Guide: Dr. Umesh Bellur, Associate Prof., IIT Bombay Feb 2010 - Apr 2010
 - Proposed a Linear Programming solution for packing virtual machines on physical machines. The problem was mapped to an instance of the multi-dimensional vector bin packing. Report available at <http://jeffreyjohn.6te.net/Reports/VM.pdf>.
- **Link Prediction in Social Networks** Junior Thesis
Independent Project Jan 2010 - Mar 2010
 - Did a thorough literature survey on Link Prediction techniques in Social Networks and implemented a tool using JAVA which does the same. Report available at <http://jeffreyjohn.6te.net/Reports/mini.pdf>
- **Edge Cover Colorings** Summer Research Intern
Guide: Dr. L. Sunil Chandran, Prof., IISc. Bangalore Jun 2010 - Jul 2010
 - Studied different kinds of edge cover colorings on Bipartite Graphs and reviewed few unpublished manuscripts on the same.

Work Experience

- **Microsoft India** Hyderabad, India
Software Engineering Developer Intern May 2010 - Jul 2010
 - Interned with the Product Activations team which does all activations and key management for all Microsoft Products.
 - Worked on integrating a cloud-based security model with a live framework using C#, SharePoint and ASP.NET.
- **Software Systems Laboratory, NIT Calicut**
Student Administrator Jul 2010 - April 2011
 - Responsible for all installation, maintenance and upgradation of the Undergraduate Computer Science Lab.

Systems Experience

Languages: C, C++ with STL.

Languages I use occasionally: JAVA, Python.

Tools: Bash, Lex, Yacc, NS-2, Network-X, SPIN, L^AT_EX, GUESS.

References

Available on request.