Ambuj Kumar

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Webpage: http://sendambuj.wixsite.com/ambuj   **LinkedIn:** https://www.linkedin.com/in/ambujk/

GitHub: https://github.com/Ambuj-UF   **Publications:** http://goo.gl/stqbeB

Total Research Citations: 482   **H-index**: 14   **i10-index**: 14

Current Position: *Research Assistant, Jernigan Lab, Iowa State University*

Education:

• **PhD, Bioinformatics**	Iowa State University	*2016-Present*
• **Masters of Science, Biology**	University of Florida	*2013-2016*
• **Bachelors in Technology, Bioinformatics**	Vellore Institute of Technology	*2008-2012*

Thesis:

- **Ongoing PhD Thesis:** Modeling smart computational method to study protein behavior.
- **Masters:** Tracing the signals of brain evolution in Eutherian mammals.
- **Undergraduate:** Machine learning based pipeline to detect novel oncogenes.

Internship:

• **Bioinformatics Intern**	Pharmacyclics Inc, California	*May 2015-August 2015*

Awards:

• Research Assistantship, Iowa State University	*2016-Present*
• National Science Foundation Travel Grant 2014	2015
• Grinter Fellow (Biology), University of Florida	2013-2016
• Teaching Assistantship, University of Florida	2013-2016

Programming Experience:

- **Languages –** Python, R, Perl, Prolog
- **Database and Web –** MySQL, MongoDB, Django, Pymongo, HTML, CGI
- **Technologies –** MPI Clusters, Eucalyptus, Ubuntu Cloud Platform
- **Machine Leaning and AI –** Support Vector Algorithm, Deep Learning, Natural Language Processing

Book Chapter: Application of Bioinformatics in screening and analysis of pathological mutations. Biotechnology Volume 6. Bioinformatics and computational biology. *ISSN/ISBNNo.9781626990210*

Journal articles reviewed: Cell Biochemistry and Biophysics, BMC Research Notes, Current Bioinformatics.

Editorial Board Member: Trends: Journal of Sciences Research