

# **Arjun Krishnan**

**Assistant Professor at Michigan State University**

East Lansing, MI, US

Arjun Krishnan develops and applies computational data-driven approaches to unravel how our genome relates to health and disease.

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## **Biography**

Arjun Krishnan is leading a research group that develops computational approaches to study the genetic basis of biomedical phenomena relevant to human health and disease. The Krishnan Lab is primarily interested in bridging the gap between large-scale genomic/clinical data and actionable biological insights using statistical and machine learning approaches. He joined the faculty of Michigan State University in January 2017. Krishnan received his Ph.D. in 2010 from Virginia Tech, and continued briefly as a postdoctoral researcher. There, working with Prof. Andy Pereira, he developed computational genomic methods to reconstruct the gene-regulatory programs in both model and crop plants. In 2011, he began his postdoctoral research in the Lewis-Sigler Institute for Integrative Genomics at Princeton University with Prof. Olga Troyanskaya. There, he developed integrative data-driven approaches to study tissue-specificity in the function of human genes and their association with complex diseases.

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## **Areas of Expertise**

Precision Medicine, Machine Learning, Big Data, Genomics, Data Integration, Bioinformatics, Data Science, Genome-wide molecular networks, Computational Biology, Cross-species Models for Human Disease, Age-specificity and Sexual-dimorphism in Health & Disease, Disease Stratification

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## **Education**

### **Virginia Tech**

PhD Genetics, Bioinformatics, and Computational Biology

### **Anna University**

BTech Biotechnology

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