



## Priya Desai

- Biomedical Engineer @ Stanford Center for Genomics and Personalized Medicine (SCGPM):
  - Genetics Bioinformatics Service Center(GBSC).
  - Genome Sequencing Service Center(GSSC).
  - Bioinformatics as a Service (BAAS).
- My background:
  - Large-scale computing (Astronomy).
  - Chandra X-ray Center.
  - Benchmarking X-ray spectra.
  - Machine learning and recommender systems.

## Recent Projects:

### SciReader

- Cloud based recommender system for biomedical literature.
- Uses topic modeling, and other machine learning algorithms to provide users with recommendations that are recent, relevant, and of high quality.
- Sharing, discussing, and reviewing papers.
- Twitter recommendations.

### **Leveraging the Cloud for Large-scale GWAS**

- Using the cloud architecture to perform mega-analysis while managing privacy concerns.
- Machine learning on encrypted data.

### **Children's Metabolic Health Center**

- Consolidating patient meta-data from genome sequencing, electronic health records, metabolomic profiles and biobank samples in a HIPAA compliant manner.