



### **FACULTY MENTOR**

Piya Pal

### **PROJECT TITLE**

Machine Learning for Inverse Problems

### **PROJECT DESCRIPTION**

Description: Develop fundamental understanding of pros and cons of using data-driven methods for ill-posed inverse problems. Applications in imaging, wireless communication, super-resolution and statistical inference.

This project can accommodate both remote and in-person students.

### **INTERNS NEEDED**

2 Students

### **PREREQUISITES**

1. Background in Linear Algebra, Probability and Random Processes. Some familiarity with Optimization is a plus, but not necessary.