

Subhash Gubba

SigSys Final Project Proposal

## **Topic: Implementing Adaptive Filters**

### **Deliverables / Goals:**

- Will not work with a partner
- Will not look at other adaptive filter functions until I've implemented my own
- Implement in the image domain (?)
- Implement in the audio domain (?)
- Apply Machine Learning to improve performance (?)
- Create a demonstrative video about the project
- Python vs. MATLAB
- Provide a script with my function written
- Compare against other filters / packaged functions
- Provide list of resources
- Create a webpage dedicated to this project