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Dedicated and detail-oriented individual with research experience seeking to contribute my skills and passion for modeling, simulation, and analyzing systems to a dynamic research team. Committed to advancing knowledge and making a meaningful impact through collaborative research projects.

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- Modeling, simulation, and analysis
  - Data analytics and visualization
  - High performance computing
  - Machine learning and artificial intelligence

- Designed a methodology to reduce the number of input features by keeping the accuracy almost unchanged using permutation importance, random forest elimination with cross validation, and random forest importance features.
- The number of computations due to reduced features was reduced significantly.

(Spring 2018)

- Using the servo motor the mouth of the bin was automatized when the sensor sensed the presence of any person in front of it.
- Gave three different signals in three different conditions such as bin full, bin half or bin empty.

(BS Final Project 2018)

- Analyzed the power system of Mirpur Cantonment Area in MATLAB using Newton-Raphson and Gauss Seidel Method.

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- A. Asaduzzaman, L. Mercer,