I am Udit Saxena and I am currently pursuing my Masters in Computer Science at the University of Massachusetts, Amherst.

Having worked as a Google Summer of Code intern with MLPACK, an open source C++ machine learning library, I was tasked with developing Multi-class AdaBoost algorithms, and weak learning algorithms like the Perceptron, a single layer neural network, and Decision Stumps. After my internship ended, I continued as a core contributor at MLPACK : https://github.com/mlpack/mlpack/graphs/contributors

At Adobe, as an intern with the Adobe Captivate team, I was tasked with building a User Analytics feature for the team to ensure data driven insights for new and present features being added to the product.

At UMass Amherst, as part of my course curriculum, as part of a group project for the graduate level course “Machine Learning”, I have worked on using Recurrent Neural Networks to generate natural language descriptions of Videos using a sequence to sequence model analogous to a language translation model of the encoder-decoder architecture.

Further, I particularly enjoyed the course “Systems for Data Science” where we were introduced to the internal motivations and working of popular large scale systems such as MapReduce, Apache Spark, FlumeJava, Google BigTable and Google File System.

For Spring 2017, I’m going to be taking up the Advanced Natural Language Processing course taught by Prof. Brendan O’Connor and Probabilistic Graphical Model under Prof. Justin Domke.

I have previously worked at Sprinklr, a social media analytics startup, where I worked with the core team as a Product Engineer deploying and integrating large scale social media analytics systems across more than 20 social networks and worked with Java, MongoDB, and Elasticsearch. At Sprinklr I was responsible for Integrations – integrating various social networks like Twitter, Under Armour Record, Wordpress – as well as enterprise CRMs – SAP Hybris, SAP C4C – and was also working on the API team for both internal and external integrations.

Working with Prof. Navneet Goyal as an undergraduate, I have also worked on Real Time Gesture Recognition Systems using Multivariate Time Series Analysis where I was able to establish an early stopping criterion for faster gesture recognition, and achieved a 93 percent recognition rate on the AUSLAN dataset.