

AMLA SRIVASTAVA

180 Claremont Avenue, 66, New York, NY 10027 | as5196@columbia.edu | www.linkedin.com/in/amla-srivastava | (913) 278-7823

EDUCATION

Columbia University, New York, NY	Expected Dec 2017
M.S. in Data Science	GPA: 4.0/4.0
<i>Relevant courses:</i> Machine Learning, Applied Machine Learning, Probability, Statistical Inference & Modeling, Exploratory Data Analysis & Visualization, Computer Systems, Algorithms, Storytelling with Data	
PEC University of Technology, Chandigarh, India	May 2015
B.Tech. in Computer Science & Engineering	GPA: 9.4/10.0
<i>Relevant courses:</i> Neural Networks, Artificial Intelligence, Databases, Data Structures, Operating Systems, Software Engineering	

WORK EXPERIENCE

The Hartford, Data Science Intern, Hartford, CT	May 2017 - Present
<ul style="list-style-type: none">- Developed an unconstrained loss model to improve personal auto Class Plans using H2O/Python; improved AUC score by 8%- Designed a step-up model using gradient boosting to predict probability of step-up election by variable annuity policyholders, achieved an AUC score of 0.81- Building a web application for recommending ILFs (Increased Limits Factors) to determine premium using R and R Shiny	
McKinsey & Company, Jr. Research Analyst, Gurgaon, India	Jun 2015 – Jun 2016
<ul style="list-style-type: none">- Provided research and advisory services for the marketing/strategy office of a global Consumer Electronics client; analyzed consumer behavior and competitive market trends and developed branding/retail strategies	
McKinsey & Company, Intern, Gurgaon, India	Jan – Jul 2014
<ul style="list-style-type: none">- Conducted a study on 'Text Mining'; performed resume classification, sentiment analysis, etc. using R, RapidMiner and Tropes- Built a performance analysis model using MS Excel/VBA to classify client requests and to track team performance; achieved an accuracy of 94%	
Aachen University of Applied Sciences, Intern, Germany	Jun – Jul 2012
<ul style="list-style-type: none">- Worked on the installation of SWORD software in UBUNTU and performed test runs for the Laboratory of Nuclear Techniques	

DATA SCIENCE PROJECTS

Traffic complaint classification: Text analytics, Applied Machine Learning project	Apr 2016
<ul style="list-style-type: none">- Built a logistic regression model using scikit-learn to classify traffic complaints in Boston; used topic modeling (NMF) and clustering techniques to improve model; achieved a final accuracy of 92%	
Predicting consumer behavior: Ensemble techniques, Applied Machine Learning project	Mar 2016
<ul style="list-style-type: none">- Predicted subscription rates for a bank's direct marketing campaign with an ensemble model using logistic regression and gradient boosted trees in scikit-learn; achieved an AUC score of 0.83	
NYC Motor Vehicle Collisions: Visualizing accidents 2013-16, Data Analysis & Visualization project	Mar - Apr 2016
<ul style="list-style-type: none">- Analyzed vehicular collisions in New York City between 2013-16 to understand trends in accident types, seasonality, causes, and risks; created interactive visualizations using R, Tableau and CartoDB	
Microsoft - CDSS Data Science Student Challenge, Hackathon - 2nd Place Winner	Oct 2016
<ul style="list-style-type: none">- Built a softmax regression model using Python and Microsoft Azure ML Studio to identify the most popular product in a Walmart store on a given day; enabled Walmart to identify substitutes	
Visualizing character interactions in 'Love Actually', Storytelling with Data project	Dec 2017
<ul style="list-style-type: none">- Created several interactive visualizations to explore character interactions across scenes for the movie 'Love Actually' using R, D3.js, HTML and CSS	

SCHOLASTIC ACHIEVEMENTS/POSITIONS OF RESPONSIBILITY

- TA for Introduction to Computing for Engineering/Applied Sciences (Python) (Jan 2017 – Present)
- Department Representative, Engineering Graduate Student Council (EGSC), Columbia University (Sep 2016 – May 2017)
- Student Head, Alumni Affairs Committee, PEC University of Technology, Chandigarh (Aug 2015 – May 2016)
- Recipient of SPDC and DASA scholarships by Government of India (Aug 2011 – May 2015)

SKILLS

- *Languages and Frameworks:* Python (scikit-learn, TensorFlow, keras, NumPy, Pandas, Matplotlib), H2O, R, R Shiny, D3.js, Tableau, SQL, VBA, Hadoop, CartoDB, RapidMiner, MS Office, C, C++, Java, PHP, HTML, CSS
- *Other:* U.S. citizen