AMLA SRIVASTAVA

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EDUCATION

Columbia University, New York, NY (Expected Dec 2017)
M.S. in Data Science **GPA: 4.0/4.0**
Relevant courses: Machine Learning, Probability, Statistical Inference and Modeling, Exploratory Data Analysis and Visualization, Computer Systems for Data Science, Algorithms for Data Science, Storytelling with Data

PEC University of Technology, Chandigarh, India (May 2015)
B.E. in Computer Science & Engineering **GPA: 9.4/10.0**
Relevant courses: Artificial Intelligence, Neural Networks, Database Management Systems, Design and Analysis of Algorithms, Data Structures, Operating Systems, Web Technologies, Software Engineering, Object Oriented Programming

WORK EXPERIENCE

McKinsey Knowledge Center, Jr. Research Analyst, Gurgaon, India (Jun 2015 – Jun 2016)
- Provided research and advisory services for the marketing and strategy office of a global Consumer Electronics giant; studied consumer behavior, analyzed competitive market trends and developed branding and retail strategies for the client

McKinsey Knowledge Center, Intern, Gurgaon, India (Jan 2014 – Jul 2014)
- Conducted a comprehensive study on 'Text Mining'; studied end-to-end processes; identified several client-relevant use cases and conducted text analysis for resume sorting, survey sentiment analysis, etc. using R, RapidMiner and Tropes
- Created a performance analysis model using MS Excel and VBA for the senior management to automatically classify incoming requests and to track various performance metrics within the team

Aachen University of Applied Sciences, Intern, Germany (Jun 2012 – Jul 2012)
- Worked on the installation of SWORD software in an UBUNTU virtual machine and performed test runs for the Laboratory of Nuclear Techniques

PROJECTS

Microsoft - CDSS Data Science Student Challenge (*Hackathon - 2nd position)* (Oct 2016)
- Built a multiclass logistic regression model using Python and Microsoft Azure ML Studio to identify the most popular product in a Walmart store on a given day, using store features and on-hand product availability; enabled Walmart to identify substitutes in case of product unavailability

Patient trails through the Healthcare setting *(Columbia University Medical Center)* (Jan 2017 – Present)
- Using network analysis, trails analysis and agent-based modeling (ABM) to model patient transitions through the healthcare system from a curated dataset from 4 NY Presbyterian facilities

Visualizing character interactions in 'Love Actually' *(Storytelling with Data project)* (Dec 2017)
- Created several interactive visualizations to explore character interactions across scenes in the popular Hollywood movie 'Love Actually' using R, D3.js, HTML, CSS and Bootstrap

WiFi assisted localization for monitoring resource utilization *(Wireless & Mobile Networks project)* (Jan 2015 – May 2015)
- Developed an Android application to monitor and improve PEC's infrastructure utilization, captured GPS/WiFi data from 300+ users through crowdsourcing and analyzed the data using techniques such as K-means clustering with WEKA

SCHOLASTIC ACHIEVEMENTS/POSITIONS OF RESPONSIBILITY

- Teaching Assistant (TA) for Introduction to Computing for Engineering/Applied Sciences (E1006) (Jan 2017 – Present)
- Department Representative, Engineering Graduate Student Council (EGSC), Columbia University (Sep 2016 – Present)
- Student Head, Alumni Affairs Committee, PEC University of Technology, Chandigarh (Aug 2015 – Aug 2016)
- Recipient of SPDC and DASA scholarships by Government of India (Aug 2011 – Aug 2015)

SKILLS

- *Computer:* R, Python, C, C++, Java, D3.js, VBA, MS Office, SQL, RapidMiner, PHP, HTML, CSS
- *Other:* U.S. citizen