

# AAKANKSHA JAIN

College Park, MD 20740 ■ 301.204.1250 ■ [aakanksha.jain@rhsmith.umd.edu](mailto:aakanksha.jain@rhsmith.umd.edu) ■ <https://www.linkedin.com/in/aakanksha-jain>

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## EDUCATION

**Robert H. Smith School of Business, University of Maryland**, College Park, MD

**Aug 2016 - Dec 2017**

**Master of Science in Information Systems**

**GPA – 3.92**

- Teaching Assistant, Data Models and Decisions at Robert H. Smith School of Business
- VP of Administration, Information Systems Association

**The LNM Institute of Information Technology**, Jaipur, India

**Aug 2010 - May 2014**

**Bachelor of Technology**, Electronics and Communication Engineering

**GPA – 3.49**

- Teaching Assistant, Electronics II at LNM Institute of Information Technology
- Coordinator, Marketing Team, Vivacity Fest

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## SKILLS

- Analysis and Modeling Tools: MS Excel, R, Python, Tableau, Solver, SQL Server, Palisade Decision Tools
- Languages: Java, XML, C, VHDL, HTML, CSS, Javascript
- Testing: SDLC, Agile, HP QC 12.0, Selenium IDE, 2.0, JIRA
- Others: Certified Google Analytics, Certified Google AdWords, Salesforce, Wireshark, Lucid Charts, Mail Chimp

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## PROFESSIONAL EXPERIENCE

**Software Engineer - Tech Mahindra Limited, India**

**Jun 2014 - Jul 2016**

- Gathered complex business requirements for a Fortune 500 telecom firm to provide solutions to their customer services
- Worked as a single point of contact to client and design team for customer acceptance testing and application functionality queries; chaired internal scrum calls, live sign off report creation and increased client's profit by 15%
- Performed application testing using AGILE Scrum methodology, Designed test cases and achieved defect removal efficiency of 92.6% and 30% reduction in new features deployment time through defect management using HP QC 12.0
- Designed and executed automated test cases, regression test packs and analyzed reports using Selenium IDE and Grid 2.0
- Defined business scope, created dashboard report using Tableau and presented it to client and senior executives
- Conducted on-boarding process and mentored 2 newly hired employees on the technical aspects of telecom domain and project

**Summer Intern - Tata Institute of Fundamental Research, India**

**May 2013 - Jul 2013**

- Examined SCADA security threats, incidents and vulnerabilities along with issues that impede security advances/initiatives
- Applied machine learning algorithms which gave 93% correlation coefficient after 3 iterations for anomaly in power plant

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## PROJECTS

**GradStats4U - Salesforce application for comparing US graduate schools' ranking data from multiple sources (2016)**

*Technologies used- Salesforce, SQL Server Management Studio, Lucidchart, PHP*

- Collected real-time data to compare ranking criterion for 32 universities from 7 existing ranking websites.
- Created ER Schemas and relational database, defined business transactions and wrote dynamic DDL and DML queries.
- Developed a Salesforce application to visualize 726 records using dashboards and reports.

**Statistical Inference and Linear Regression applied to get validation data set results for 30000 loans of Lending Club (2016)**

*Concepts used- Data visualization, Hypothesis Test, Regression Models and Formulation, One-way ANOVA*

- Performed statistical analysis to determine the variation in mean interest rate with 99% confidence interval.
- Developed exponential regression model with 72% accuracy to predict the interest rate for loans to potential customers

**Digital Business Market Analysis of DraftKings (an online gaming portal for daily fantasy sports) (2016)**

*Concepts used – Porters 5 forces, SWOT Analysis, Network Effects, Platform Mobilization*

- Evaluated DraftKings as a platform, identified their user acquisition strategies and network effects used for profit generation
- Analyzed and recommended bundling strategy, merger and big data utilization as per future predictions for the industry

**Donco Telecom Consulting Challenge (2016)**

*Country Profiling, Wireless & Wireline Extensive requirement gathering, Demand analysis, SWOT Analysis,*

- Performed data network, network security, infrastructure and market feasibility analysis for Zimbabwe telecom market.
- Recommended ADSL and FFTH network requirements and feasible locations to setup supplier base for Donco company

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## ADDITIONAL INFORMATION

- **Ambassador, Smith Master Student Association-** Represented and organized events for specialty masters courses
- **Member, Sankalp (Social Responsibility Club), The LNMIIT** - Persuaded women in nearby villages to learn basics of Computer and MS Office, trained college mess workers on how to read and write in English and basics of mathematics
- **Member, School and Undergraduate College Basket Ball Team**, Reached semi-finals in inter college fest Desportivos
- **Awarded 'Pat on the Back Award'** at Tech Mahindra for excellence in application testing and client satisfaction
- **Certified** in Introduction to Artificial Intelligence, Stanford Engineering from Udacity