

# Sumit Bansal

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## EDUCATION

- Robert H. Smith School of Business, University of Maryland**, College Park, MD Dec 2018  
*Master of Science, Information Systems*, GPA 3.94  
Relevant Coursework: Data Mining, Big Data, Database Management, Project Management, Business Process Analysis.  
Graduate Teaching Assistant – Price Optimization and Revenue Management
- Manipal Institute of Technology**, Manipal, India May 2015  
*Bachelor of Technology, Engineering*
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## TECHNICAL SKILLS

Tools and Languages : MS SQL, Python, R, UNIX, Tableau, Power BI, Advanced Excel, Git, GitHub, Jenkins  
Data Analytics : Regression Analysis, Hypothesis Testing, Machine Learning, Hive, Hadoop, Spark, MapReduce, Pig  
Certifications : AWS Developer, Security+, Snowflake, Kubernetes, Informatica PowerCenter, Google Analytics

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## WORK EXPERIENCE

- Phreesia**, Wilmington, Delaware Nov 2022 – Present  
**Data Quality Engineer, Data Science**
- **Application Testing:** Setup the process for end-to-end data science application automation testing using selenium framework resulting in a shorter release cycle and improved confidence in the product.
  - **Cloud Migration:** Worked on migrating the on-premises enterprise applications and related data to the AWS. Completed AWS developer certificate and developed processes to reduce AWS monthly cost by 20,000 dollars per month.
- MicroStrategy**, Tysons Corner, Virginia Feb 2019 – Nov 2022  
**Senior Software Test Engineer, Web & Security**
- **Data Visualization:** Created enterprise-wide dashboard from Workday and MicroStrategy data, highlighting KPIs like active users, sessions, clients, error rate, team participation which improved blitz user engagement by 30%.
  - **Data Management:** Transform data by developing mapping in Informatica and using SQL for loading the data into multiple IMDB cubes for data warehousing-OLAP.
  - **Product Testing:** Analyze incoming web and security defects & new features, plan the testing scope, code review, create, and execute end-to-end test cases for BI products under Agile Scrum methodology.
  - **Automation:** Developed Python scripts to automate regression test cases to CI pipeline helping the team to reach target automated test cases from 35% to 55% thereby reducing the regression period by 1 week.
  - **Customer Success:** Supported 60+ worldwide customers in swiftly resolving MicroStrategy web, security hardening and identity access management issues resulting in securing 10 million dollars plus deals.
- Northwestern Mutual**, Milwaukee, Wisconsin May 2018 – Aug 2018  
**Data Analyst Intern, Client Experience**
- **Operational Efficiency:** Developed SQL queries to merge 65k+ duplicate data in Microsoft Dynamics CRM database to improve the system efficiency by 35% and enhancing the sales team experience.
  - **Hackathon:** Worked on setting up a Zendesk live chat support process which reduced the resolution time by 25%.
  - **Certification:** Actively involved in on-premises data migration to cloud and completed Azure Cloud certification.
- Tata Consultancy Services**, Bangalore, India Jul 2015 – Jul 2017  
**Data Engineer (Client – Deutsche Bank)**
- **Team Management:** Led a team of eight members in developing ETL (Extract, Transform & Load) jobs for data related to real-time transactions, employee salary and trades to business applications warehouse.
  - **Process Improvement:** Developed efficient SQL codes to avoid Informatica Look-ups that minimized time by 30%.
  - **Process Innovation:** Slashed project costs 20% by automating the job failure alerts and developing KPIs for easy monitoring, while ensuring the continuation and enhancements of services.
  - **Platform Administrator:** Handled multiple outages on the Unix server environment along with providing root cause analysis as specified in SLA.

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## PROJECTS & ACHIEVEMENTS

### **R: Airbnb Listing Dataset**

- Performed exploratory data analysis and imputed missing data. Built prediction models by implementing machine learning algorithms to predict the good listing; achieved a prediction accuracy of 87.52%.

### **Python and MS SQL Server: To implement Recommendation Model**

- Imported the SQL data to Python and designed a framework to support natural language processing.
- Utilized the Natural Language Toolkit (NLTK) platform on Python to build the recommendation model.

### **Smith MBA Data Analytics Case Competition | 1<sup>st</sup> Prize Winner (FIFA 2018 Dataset)**

- Represented Smith school at MIT Sloan Analytics Conference'18 to predict the winning team of FIFA 2018.