SOHNI NAGPAL

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EDUCATION:

Robert H. Smith School of Business, University of Maryland, College Park, MD
Master of Science in Information Systems (3.518)   December 2016

- Relevant course work: Big Data, Data mining , Data models and Decisions, Database Management Systems, Data networks, Managing Digital Business Markets, , Strategic and Transformational IT, Business Process Analysis, Project Management

Thadomal Shahani Engineering College, Mumbai, India
Bachelor of Engineering: Electronics and Telecommunication Engineering (72.61%)   July 2015

RELEVANT EXPERIENCE:

Graduate Research Assistant University of Maryland, College Park   January 2016- present
  Working on a research project on Sports analytics that involves web scraping using Python and developing a predictive model on the team wins based on the analysis of web scraped Basketball players and teams data.

Internship at National Thermal Power Corporation, Mumbai, India   September 2014- October 2014
- Created a web application for employee suggestions regarding the pay revision
- The application became a part of the company's intranet and it was developed using ASP.net, C# and SQL server database.

TECHNICAL SKILLS:

  Analytical: Spreadsheet Modeling(MS Excel), R, Tableau, StatTools, Precision Tree, @risk; Programming: PHP, Python, R, C++, MATLAB; Databases: MySQL, RDBMS;Big Data(Hadoop-Pig.Hive, Sqoop, Flume); Web Development: ASP.net HTML5, CSS; Miscellaneous: MS Office, Arduino, Wireshark, AutoCAD, Express PCB, IBM Bluemix

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ADDITIONAL PROJECTS

Big Data – Reddit Dataset   March 2016-Present
- Analyze and predict systematic trends in the main themes that emerge from discussion forums across days.
- Extract the most influential forums and present them in a visually appealing manner using Pig, Hive and Impala
- Predict how many responses each discussion thread is likely to gather using Spark.

Business Process Analysis -Online Billing Report Generator System   January 2016-Present
- Designed a system that makes use of Agile methodology to gather client's business requirements and application development.
- Project involves data retrieval, scrubbing, processing, and storing; and web development using PHP, MySQL and HTML5.

Database Management Systems- SSRV Railways   December 2015
- Developed a robust railway management system using SQL which facilitates users in carrying out all booking related transactions efficiently, enables its employees to keep track of these activities and make changes in trains schedules and ticket allotments.
- Worked on SQL for back end including ERD, logical and physical design; and developed front end using PHP and HTML

LEADERSHIP AND VOLUNTEER EXPERIENCE

Smith Master Student Association   September 2015
Ambassador

The Management Society, TSEC   June 2013-June 2014
Creative Head
- Mentored a seven-member team of diverse personalities in deadline driven environment and thus conceptualized and executed two national level festivals with a $5000 budget within two months of preparation.
- Devised and executed a strategic plan of action including searching and negotiating suitable venues to ensure cost of events remains under pre-determined budget.

The Rotary Club of Bombay West, Mumbai   November 2013
Volunteer
- Participated in numerous street plays and flash mobs on social causes aimed at public awareness and other fund raising events.