

AAKASH DESAI

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EDUCATION

Robert H. Smith School of Business, University of Maryland, College Park, MD Dec 2017
Master of Science in Information Systems GPA: 3.95

Vidyalankar Institute of Technology, Mumbai University, Mumbai, India 2016
Bachelor of Engineering Major: Computer Engineering GPA: 3.53

Technical Skills

Programming Languages: R, C, JAVA, PHP, HTML, CSS, XML, SQL.

Software Tools: RStudio, Eclipse, IntelliJ, TurboC, MATLAB, AutoCAD, Oracle 11g, Salesforce, Google Analytics.

Operating Systems: Windows, Linux.

EXPERIENCE

Centre for Health Information & Decision Systems (CHIDS), University of Maryland 2016-Present
Research Assistant

- Worked closely with the US Department of Defence (DoD) and the Defence Health Agency (DHA) for building a Decision Support System for identifying risk in Opioid Therapy for pain management, in order to curtail the problem of chronic opioid usage within the armed forces.
- The system, although being built for the DoD, can be generalized to the general population.
- The data set used for the analysis, obtained from the DHA, comprising of more than 2 million records of opioid therapy at a person-month level.
- The data analysis and modelling was conducted using R with the RStudio integrated development environment.

Academic Project: Telecommunication Infrastructure Feasibility Study for South Africa 2016

- Conducted a feasibility study for a hypothetical multinational corporation by the name of DONCO.
- Role played a telecom infrastructure consulting firm that studied the national telecom infrastructure of South Africa and prepared a detailed report of feasible locations and service providers that DONCO can seamlessly integrate into their supply chain.

Academic Project: University Ranking Comparison Application 2016

- The project involved creating an application used for comparing rankings for three business school programs, viz MBA, MSIS (MS in Information Systems), MSBA (MS in Business Analytics), which are sourced from various ranking agencies and sources.
- The application was a one stop station for comparing rankings for all the three programs from various different ranking agencies such as US News, QS World, etc. The project was implemented using Salesforce.com

Academic Project: Flight Route Optimization and Runway Management System 2016

- Designed and prototyped an automated flight routing and runway management system. This system used a novel “runway to runway” routing approach wherein all stages of local flight routing (Approach, Landing, Taxi, Take-off, Climb-out) are consolidated and managed by a single system.
- Implemented and modelled prototype system for test subject airport Chhatrapati Shivaji International Airport, Mumbai, India (IATA Code: BOM) using Java.
- Devised and coded on Eclipse Integrated Development Environment (IDE); simulated one week operations at BOM airport with authentic data sets generating hypothetical fuel savings in the range of 600,000 gallons/day.

LEADERSHIP EXPERIENCE

Student Council of Vidyalankar Institute of Technology, President 2015

- Elected President of 450-member student organization comprising a four-tier management structure.
- Presided over a student board, wherein oversaw and coordinated functioning and finances of 12 affiliated student clubs and technical societies on campus.
- Managed \$40,000 University endowment fund; reported 40% annual increase in organization revenue.

ADDITIONAL INFORMATION

- **National Shiae Championship (Gold Medal), Indian Karate GoJuKai Association.** 2007
- **Certification:** Dale Carnegie Executive Excellence Program (Level 1-Level 6). 2013-2015
- Fr. Conceicao Rodrigues Memorial Debate Champion (**Silver Medal**). 2015
- Possesses a keen interest in debating, travel, economics, literature and photography.