

Swathika Viswanathan

801, Southgate Dr, Apt A16, State College, PA - 16801.
+1 814 441 2079 | swathika1289@gmail.com, svv5183@ist.psu.edu

EDUCATION

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| ♦ Master of Science in Information Sciences & Technology
(Specialization- Enterprise Architecture)
The Pennsylvania State University, University Park, PA | Expected May 2017
4.0 |
| ♦ Bachelor of Engineering in Information Technology
K. J. Somaiya College of Engineering, University of Mumbai, India | May 2011
67.18 % |

CERTIFICATIONS

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| ♦ Completed AAES (Accenture Advanced Enterprise Solutions) Practitioner Certification. | July, 2013 |
| ♦ Acquired certification as an IBM database Associate in DB2 9 fundamentals. | Feb, 2010 |

WORK EXPERIENCE

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| Teaching Assistant <i>College of IST, Pennsylvania State University, University Park</i> | Jan 2016 - Present |
| ♦ Support course instructor with classroom instructions, managing student teams, exams & grading of assignments. | |
| ♦ Provide coaching to students by assisting them with in-class activities and explaining challenging course concepts. | |
| Graduate Researcher <i>College of IST, Pennsylvania State University, University Park</i> | Sept 2015 - Dec 2015 |
| ♦ Analysis and documentation of past work on Enterprise Architecture (EA) to construct a model that enables measurement of EA value in organizations. | |
| ♦ Identification and interpretation of EA actors, activities, utilities and relationships involved in the study. | |
| Software Engineering Analyst <i>Accenture Services Private Ltd.</i> | Oct 2011 - May 2015 |
| ♦ Worked as SAP-ABAP and SAP-Workflow consultant for the ERP implementation of two Fortune 500 clients. | |
| ♦ Assisted through Component Test, Assembly Test, Product test, UAT, Go-Live and Hyper care (Post Go-live Support) phases of the project under stringent timelines. | |
| ♦ Performed extensive hands-on development in ABAP (Reports, Data Dictionary, Enhancements & User exits, RFCs and BAPIs), Business Workflows, Interactive Adobe Forms, OSS note implementation, IDocs and SAP Scripts. | |
| ♦ Coordinated with the SAP Technical and Business teams to understand requirements and develop solutions. | |
| ♦ Analyzed functional specification documents of designs and prepared technical specification documents. | |
| ♦ Gained experience in Production Planning (PP), Procure-To-Pay (PTP) and Human Resources (HR) SAP modules. | |

MAJOR COURSES UNDERTAKEN

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| ♦ Enterprise Architecture Foundations I and II | ♦ Software Engineering & Project Management |
| ♦ Big Data Fundamentals | ♦ Data Structures & Algorithms |
| ♦ Internet, Database & Web Technologies | ♦ Data Warehousing, Mining & Business Intelligence |

ACADEMIC PROJECTS AND PRESENTATIONS

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|---|-----------------|
| Unsupervised Learning of Deep Representations for Medical Text | Dec 2015 |
| ♦ Implemented a deep learning architecture on the PubMed corpus stored on the Hadoop File System to investigate the unsupervised representations learnt by the dataset. | |
| ♦ Studied the scalability of Apache Spark (using Scala programming language) by analyzing the performance of feature vectorization and clustering techniques. | |
| Detection and demarcation of tumors from medical images project | May 2011 |
| ♦ Utilized image processing techniques and MATLAB software to implement region growing, water shed and level set algorithms for segmentation of tumors. | |
| ♦ Analyzed the algorithms for best performance and accuracy. | |
| Website development project | May 2010 |
| ♦ Designed the layout using Adobe Photoshop. | |
| ♦ Developed using HTML, CSS and Java Script. | |

SKILLS

- ♦ **Languages:** SAP-ABAP/4, C, C++, Java, SQL, Scala, Apache Spark, MATLAB
- ♦ **Web Technologies:** HTML5, CSS3, JavaScript, JSP.

LEADERSHIP ACTIVITIES & ACCOMPLISHMENTS

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| ♦ Won the Accenture Outperform Award named 'The Good Samaritan Award' under the individual category for supporting self, peers and building skills of others. | 2014-15 |
| ♦ Part of the Employee Engagement Team of Accenture and led Mumbai location. | 2013-14 |
| ♦ Webmaster of IEEE-KJSCE students' chapter. | 2010-11 |
| ♦ Fine Arts Head of IEEE-KJSCE students' chapter. | 2009-10 |