

MANASA GUNDA

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Education:

University of Maryland, Baltimore County (UMBC)
Master of Science in Computer Science

Expected: May 2017
GPA: 3.4/4.0

Coursework: Design and Analysis of Algorithms, Advanced Computer Architecture, Artificial Intelligence, Advanced Operating Systems, Principles of Computer Security.

VIT University, India

May 2013

Bachelor of Technology in Electronics and Communication Engineering

GPA: 8.9/10.0

Coursework: Computer Programming and problem solving, Data Structures and Algorithms, Microcontroller and Applications, Computer Communication, Computer Organization and Architecture, VLSI System Design.

Technical Skills:

Languages and Technologies:

C, C++, SQL, Python, JavaScript, XML, HTML, CSS, Microsoft SQL Server, Git, Putty, SOAP UI, JIRA

Tools: IBM DataStage v9.1, MATLAB R2008a

Operating Systems: Windows, Linux

Certifications: IBM certified in DB2 10.1 Fundamentals, Infosphere MDM Server v9.0

Experience

Sparksoft Corporation, Intern

Summer 2016

- Working on development of a web application using MEAN Stack

UMBC, Graduate Assistant

August 2015 – May 2015

- Handled discussion sessions, conduct quizzes and grade papers.
Courses: Multivariable Calculus (Fall 2015), Scripting Languages (Spring 2016)

IBM India Pvt Ltd

June 2013 - June 2015

- Worked as an Application Developer for IBM DataStage Tool where the customer data received from multiple sources is processed and stored in tables according to business requirements.
- Worked as Test Analyst for IBM's MDM Server where test cases are developed according to the user requirements, executed with XMLs using SOAP UI and verify the MDM database.
- Performed Data Stewardship User Interface (DSUI) testing which is created using MDM for ease access of customers for Input Datatype validations, updating and deletion of Customer data present in DB.
- Undergone Master Data Management and DataStage trainings conducted.

Achievements

- Recognized in the Manager's Choice Award - 2014 program by my manager for the practice 'Put the Client First'.

Student Intern

ECIL Hyderabad

June 2011 - July 2011

- Trained on Study of 8051 Microcontrollers & Interfacing PMC5309 Serdes Chip with FPGA using SOPC.

Academic Project

Simulation of Internet of Things (IoT) and Smart House

September 2015- December 2015

- Simulated IoT system in a distributed manner using sensors, smart devices and front-end gateway considering multicast communication, event ordering, clock synchronization, consistency and fault-tolerance.

Security Aware AODV Protocol for MANET

January 2013 - May 2013

- Implemented code to provide security to the existing AODV protocol against routing attacks using RSA algorithm in Ubuntu OS using NS2.

GPS Simulation Using MATLAB

April 2012 - May 2012

- A probabilistic methodology is used to estimate the location of position P and code is developed using MATLAB. The scheme adapts various mathematical techniques to provide location of position.

Extracurricular

- Successfully completed workshop on automotive sensors and its applications.
- Volunteered and supervised various social and cultural events conducted in VIT.

Conference Presentation

Paper, November 2010: "Design of 24 Channel DWDM."

- SEDS VIT, Vellore, India.