

**KARKA BHARATH REDDY**

Course : M.Sc. (Tech), Information Systems

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CGPA : 7.27

**ACADEMIC DETAILS**

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
XII	Science	Narayana Junior College	A.P. Intermediate Board	91	2011
X	General	St. Joseph'S Public School	ICSE	88	2009

ELECTIVES/TECHNICAL PROFICIENCY

Electives	Artificial Intelligence, Cryptography
Technical Proficiency	C , Java , Search Engine Optimization (Learner) , Snapshotting (Learner), Xilinx .

SUMMER INTERNSHIP/WORK EXPERIENCE

A.P.S.R.T.C, Hyderabad	May 2013 - Jul 2014
<p>To develop an android application for Android devices that provides the bus – route information .To improve the Google search ranking of the Online Portal for Bus Ticket Booking.To develop a Java based application for information retrieval from employee database.</p> <p>1. Developed an Android Application that provides the bus route information between the specified source and destination points</p> <p>2. Improved the efficiency of search of the Online Portal for Bus Ticket Booking by studying the Google's organic search engine optimization[SEO]</p> <p>3. Developed application that retrieves details and generates soft-copy of employee details from the entire database of employees</p>	

PROJECTS

Energy Efficient Storage System For Flash Devices To design energy efficient storage system for flash devices 1. Analyzed various file systems for Unix Operating System [UFS, EXT2, JFS] 2. Studied the metadata format and memory format implementation for UFS, EXT2 file systems 3. Learning snapshotting to design file system for flash devices in an energy efficient manner	Jan 2014 - Apr 2014
Java Based Application To develop an application for college fests 1. Developed an interactive GUI for registration of Students and Sponsors during college festivals 2. Explored the basic features of Java such as Inheritance , Polymorphism , Encapsulation	Aug 2012 - Nov 2012
Advanced File Manager for Windows OS To develop a File Manager for Windows Operating System 1. Developed a file management software in Visual Studio 2. Searches and copies the required files in a given directory into the specified destination folder[C#]	Jan 2013 - Apr 2013
Page Replacement Policy using Heap To develop a replacement policy to improve the performance of page replacement 1. Used Min-Heap data structure to improve the performance 2. Succeeded in using the combination of Least Frequently Used and Least Recently Used policies as a replacement policy 3. Achieved better performance than that of individual policies	Mar 2013 - Apr 2013
Multi-Cycle Implementation To implement an architecture which supports Multi-Cycle 1. Designed the multi-cycle data path for the specialized architecture which is a variant of MIPS architecture which includes various operations such as add, sub, jump, etc 2. Developed and optimized the modules for each individual component in the data path 3. Simulated and validated the functionality of the architecture using Xilinx Software[Verilog, Xilinx]	Jan 2013 - Apr 2013

POSITION OF RESPONSIBILITY

Department of Photography (DOPY) - Bits Pilani K.K. Birla Goa Campus 1. Event Manager representing Department of Photography for the events Dhinchak and Sea rock for the cultural fest Waves 2. Efficiently managed the video coverage and photographs of the above mentioned events	Nov 2012 - Apr 2014
Database Management Systems Course - Bits Pilani K.K Birla Goa Campus Technical Assistant for the course Database Management System 1. Took the job of a Professional Assistant for Database Systems course to guide the students in lab components 2. Involved in efficient conduct of evaluation components	Jan 2014 - Apr 2014
Cultural Coordinator for Ugadi 2014 - Bits Pilani K.K. Birla Goa Campus 1. Planned schedule ,divided members into selective groups and constantly monitored them so that they accomplish their tasks effectively 2. Took the role of financial budgeting of the cultural events of the festival	Mar 2014 - Mar 2014