

## Ambika.S.R

BE, M Tech , Computer Science

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### Career Objective

To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the research field with sheer determination, dedication and hard work.

### Work Experience

- Worked as a Lecturer in the Department of Computer Science at SAMBHRAM P U College, Bangalore from 2010 June to 2013 March.
- August 2018-present Assistant Professor in M S Engineering College, Bangalore

### Projects & Work Done:

#### Project 1: Multifarious Secure Communication (Final Semester Project)

**Company** : DHS Informatics Pvt. Ltd., Bangalore

**Duration** : 2 Months

**Team Size** : 3

**Environment:** Java, jsp

#### Description:

It is the main project which mainly deals with sending and receiving secret messages from one computer to other computer in a more secure way, so that the secret message and its content will not be captured by hackers. It is developed by using the Java concept and the web pages are designed by using JSP. And this project is basically implemented by the following techniques such as Message hiding through image file, message hiding through wave file and by using AES algorithm.

#### Modules Involved:

[Login Module](#), [Registration Module](#), [Search Module](#)

[Transaction Module](#), [Web Service Module](#)

#### Project 2: Online Banking (Part of Course)

**Company** : SQL Star International Ltd, Bangalore

**Duration** : 3 Month

**Team Size** : Independent

**Environment** : Java Core

#### Description:

Java based utility implemented to facilitate the internet banking through designed web components, with a solution for management of different accounts with certain constraints on them, providing the customers with option to make transactions from accounts and to use various other internet banking services. Utility also implements security and identity management by having a secure login and transaction process.

**Modules Involved:**

Login Module, Registration Module, Search Module  
Transaction Module, Web Service Module

**Project 3: Fine-Grained Pricing Using IaaS Cloud Platform (MTech Project)**

**Company** : Core Nuts Madanapalli  
**Role** : Business Analysis, Back-end programming,  
**Duration** : 3 Month  
**Team Size** : Independent  
**Environment** : J2EE

**Description:**

In Cloud many pricing schemes in IaaS platform are already proposed with pay-as-you-go and subscription/spot market policy to guarantee service level agreement, it is still inevitable to suffer from wasteful payment because of coarse grained pricing scheme. In this paper, we investigate an optimized fine-grained and fair pricing scheme. Two tough issues are addressed: (1) the profits of resource providers and customers often contradict mutually; (2) VM-maintenance overhead like startup cost is often too huge to be neglected. Not only can we derive an optimal price in the acceptable price range that satisfies both customers and providers simultaneously, but we also find a best-fit billing cycle to maximize social welfare (i.e., the sum of the cost reductions for all customers and the revenue gained by the provider)

**Professional Qualification**

M.Tech	Computer science	74.24%	Golden vally Integrated Campus	JNTU
B.E	Information Technology	60.66%	Sri Revana Siddeshwara Institute of Technology, Bangalore	VTU
PUC	PCMB	62.33%	Govt. PU College, Srinivasapur	Secondary PU Board, Karnataka
SSLC		79.3%	Governament High school , Ronur	Karnataka Secondary Education Board

**Technologies**

<b>Languages</b>	C, C++, SQL
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<b>Internet &amp; Distributed Technologies</b>	JAVA, HTML
<b>Data base Technologies</b>	Oracle 10G
<b>Allied Skills</b>	Code fixing, Code reveiw, Code debugging

### **Extra Co-curricular Activities and Achievements:**

- Attended the workshop of Artificial Intelligence at MITS Madanapalli
- Attended the workshop of Talent Management at Madanapalli Institute Of Technology
- Attended the workshop of Applications of Cryptography at Core nuts Institutions
- Achieved Best Teacher Award In Sumbhram P U college in the year 2012

### **PAPER PUBLISHED AT INTERNATIONAL JOURNAL**

“Fine Grained Pricing Using Cloud Computing” At International Journal of Scientific Engineering and Technology Research

### **Personal Profile:**

Gender: Female

Date of birth: 24-10-1986

Hobbies: Reading books, Listening Music, Cooking.

Marital status: Married

Nationality: Indian

Husband's Name: Mohan Kumar K .S

Linguistic Ability: English, Hindi, Kannada, Telugu.

Location: Chikkaballapur

Personal Strength: Leadership skills, Self-confidence, Optimism and Hardworking, Enthusiastic and can produce results under deadline constraints.