

Kumudha K N

Contact Information Indian Institute Of Science,
Bangalore, India
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Education Indian Institute Of Science, Bangalore, India (2015 - current)
M.Sc.(Engg), Computer Science and Automation - CGPA: 7.0/8.0
Courses attended:
Design and Analysis of Algorithms - B
Computer Architecture - A
Advanced Techniques in Programming - S
and Compilation for Parallel Architectures

M S Ramaiah Institute of Technology, Bangalore, India (2008 - 2012)
B.E., Computer Science and Engineering - CGPA: 9.92/10 (Gold Medal)

Vidya Mandir Pre- University College, Bangalore, India (2006 - 2008)
Pre University Course, Karnataka (PUC) 12th - Percentage: 90.83 (PCM: 95.33)

B P Indian Public School, Bangalore, India (2006 batch)
ICSE 10th - Percentage: 90.16

❖ Goldman Sachs, Bangalore, India June 2012 to July 2015
Position: Analyst
Part of Application Infrastructure Team under Investment Banking Division (IBD)
Technology which primarily focuses on building and standardizing frameworks for
applications which are used across the IBD Technology.

❖ Goldman Sachs, Bangalore, India June 2011 to August 2011
Position: Intern
Worked on reengineering and improving the UI of a Reporting application

Software Proficiency

- ❖ Languages: C / C++, Java, Hibernate Spring, C#, .NET, ASP.NET, WCF
- ❖ Development Platforms: Eclipse, Visual Studio, Code::Blocks, Net Beans,
- ❖ Web Technology: HTML, CSS, Angular JS, Ext JS, Javascript, PHP, XML, IIS 7.0
- ❖ Build Framework: Gradle, Maven, Grunt
- ❖ Database: MySQL, Oracle, SQL Server
- ❖ C Libraries: OpenGL (As a part of Undergrad project), OpenMP
- ❖ Operating Systems: Linux (Ubuntu), Windows
- ❖ Compilers and High performance Computing

Hardware Proficiency

- ❖ 8051 based Microcontroller Programming.
- ❖ x86 based Microprocessor Interfacing and Programming in Assembly Language.

Projects At Goldman Sachs

- ❖ Re-engineering of resource discovery system
 - Technologies used: WPF, WCF, .NET 3.5, SQL Server, IIS7, VS2010
 - WPF for the front end with complete MVVM model
 - WCF service hosted on IIS7 to act as the model layer
 - Framework application to display, store and edit other application configuration data

- ❖ Entitlements Systems
 - Technologies used: .NET 3.5, Windows Form, WCF, Windows Service
 - Project followed strict OOP principle
 - Central system to store the entitlements information of the various applications
 - Multiple components including – Editor, Windows service and Reporting Tool
- ❖ AngularJS Customization
 - Technologies used: AngularJS, Jasmine, REST Service
 - Developed custom directives and providers which have a common use case across all the applications (like person lookup)
- ❖ Framework Library
 - Technologies used: Spring, jdk 1.7, Eclipse
 - POJO and Spring java client for the various REST services
- ❖ Search Engine
 - Technologies used: Attivio v3.1, .NET 3.5, IIS7, VS2010
 - Attivio is an Enterprise Search Engine
- ❖ Other Projects
 - Inherited several C# projects and was responsible for all the bug fixes and continued development and enhancements of the same

Academic Projects

- ❖ Indian Institute Of Science
 - Evaluating Performance Overheads in Program execution of Scripting Languages under Virtual Machine Environment
 - Parallelize and optimize the CAFFE DNN framework on a multicore CPU
 - Hand optimize Matrix Multiplication
- ❖ M. S. Ramaiah Institute of Technology
 - “A comparative Study and Optimization of Hadoop Scheduler” under Prof. DS Jayalakshmi as final year project(2012)
 - Mini project on “Walking Robot” in OpenGL under Prof. DS Jayalakshmi (2011)
 - Mini project of “File Transfer in C#.NET” under Prof. Kavitha Jayaram (2010)
 - Database project on “Tourism Information system” under Prof. Arul Kumar (2010)

Achievements

- ❖ Awarded the “First rank and Gold medal of 2012 batch” from the Department of Computer Science, M S Ramaiah Institute of Technology.
- ❖ Published work paper on “Comparative Study and Optimization of Hadoop Scheduler” at the International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT 2012)
- ❖ Certificate course in Web Development conducted by IEEE
- ❖ IBM Certified DB2 9 Database and Application Fundamentals
- ❖ Undertaken a course on “Supply Chain Management” from Mechanical Dept. of MSRIT

References

Mrs. DS Jayalakshmi
Associate Professor, CSE Dept, M S Ramaiah Institute Of Technology, Bangalore

Dr. Uday Reddy
Assistant Professor, CSA Dept, IISc, Bangalore.