

S.RAJA AYYAPPAN

BE(HONS.) Computer Science

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VGN Nagar,

Nolambur, Chennai-600 095.

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✉ rajaayyappan@gmail.com

OBJECTIVE

To work in a company that can help me in improving my technical knowledge and contribute to the growth of the company.

EDUCATION

College and School Education:

Degree/Course	Name of the Institution	Board/ University	Year of Study	CGPA/ Percentage
BE(Hons.) Computer Science	Birla Institute of Technology and Science, Pilani - Dubai	BITS, Pilani	2006 – 2010	7.43
XII th Standard	Southern Pearl Mat.Hr.Sec.School, Chennai	Tamil Nadu State Board, India	2005 – 2006	93.17%
X th Standard	Southern Pearl Mat.Hr.Sec.School, Chennai	Matriculation	2003 – 2004	91.73%

COMPUTER SKILLS

- Programming Languages: Java,J2EE,C, and Excel VBA
- Frameworks: Spring, Hibernate, Weka and GWT
- Scripting: HTML,CSS(basics),Javascript, and jQuery
- Databases tools: MySql and Oracle
- Operating Systems: Windows and Linux.
- Other Skills: MS Office and MATLAB.

FINANCE SKILLS

1. Understand the Principles of Corporate Finance.
2. Understand the Three Financial Statements – Cash Flow Statement, Income Statement and Balance Sheet and the Basics of Accounting.
3. Financial Modeling using Excel. Valuation Methods (DCF, Comparable Companies Analysis, Precedent Transactions Analysis, Option Pricing)
4. Understand the Basics of Computational Finance.
5. Understand the Capital Markets well and a regular investor in the Stock Market.

Online Courses:

1. Valuation – Aswath Damodaran ,NYU(on Academic Earth)
2. Introduction to Computational Finance and Financial Econometrics –Eric Zivot, University of Washington(on Coursera)

TECHNICAL PROJECTS

Academic Thesis and Projects

1. Thesis: Design and Analysis of Cloud Computing Architecture: Predicting User Application Execution Time
Duration: Feb 10 to May 10
Description: Proposed an architecture for Infrastructure as a Service and two approaches – by parsing assembly code and by using neural networks were implemented for predicting CPU execution time for an user application. The results were noted and compared.
Tools Used: Java, MATLAB (for simulating Neural Network)
2. Project: Implementation of Normalization techniques on Classification Algorithms
Duration: Sep 06 to Dec 06
Description: Studied about data mining and its tasks. Understood the need for normalization of datasets and implemented those techniques using Java and studied its impact with reference to a classification algorithm - K-Nearest Neighbour algorithm(Weka API)

WORK EXPERIENCE

1.Oracle Financial Services Software, Bangalore

Application Developer (March 2012 – November 2012)

- Worked on Oracle Banking Platform, a core banking product. Worked on a new feature called MapMyDay which is cash prediction for a teller (i.e. Predicting how much amount of cash will be required for a teller in a particular hour on a particular day in order to efficiently service customers and also efficiently use cash).This is done using a Artificial Neural Network algorithm (Weka) based on historical data and the current day's significance of whether it is a pay day or a holiday.

2.Redbus.in, Bangalore

Software Engineer(November 2010 – January 2012)

- Worked on SeatSeller (<http://www.seatseller.in>) , India's first Global Distribution System for Bus industry. Features include Search Routes, Seat Availability Data, Reports on accounting and ticketing.
- Worked on new features and enhancements like reporting various data for the agents for a SaaS application named Bus Operator Software Services (<http://boss.travel>), which handles all the needs of a bus operator to manage inventory, accounting, reporting and ticketing.
- Worked on a internal product for managing finance and cash collection of the company.

PERSONAL PROFILE

Name: S. Raja Ayyappan

Date of Birth: June 11, 1989

Gender: Male

Nationality: Indian

Current Company: Oracle Financial Services Software, Bangalore.

CTC: Rs.7, 41,030

ECTC: Nil

Notice Period: Immediate

Permanent Address: 59-A, VOC Street, VGN Nagar, Nolambur,
Chennai-600095, India

Mobile No: 8148161310

Languages: English and Tamil

Hobbies: Reading Books and Listening to music.

BITS, Pilani - Dubai

Dubai International Academic City



بيتس بلاني - دبي

المدينة الأكاديمية الدولية دبي

To Whosoever It May Concern Recommendation Letter

Raja Ayyappan, a Computer Science student at BITS Pilani-Dubai, has worked with me on his undergraduate thesis in the final semester of his study here in designing and analyzing Cloud Computing Architectures using a prototype.

Raja is an enthusiastic, sincere, and hardworking student. He had quite a few sittings with me in Fall 2010 to discuss the possibility of working with me on his thesis – this is unusual with most students. He is a willing worker and a willing learner. From my 10-11 years of experience in the industry, I see the potential in him to work well in teams. Raja chose to work on Cloud Computing and this is a testimony to his willingness to get into unknown territory. He has the ability to push through to get to the end – I have seen him down only for a weekend when he did not perform to *his* expectations in the midterm seminar and then picked up where he left off to finish the thesis.

In Raja's thesis, he defined a Cloud Computing Architecture and developed a prototype that included the client application, a middle ware, and a gateway and servers on the cloud. The architecture includes an ORB. His core work was to estimate the application computational requirements prior to execution and prior to the client selecting a cloud for its execution.

Raja is technically sound and is a capable programmer. In his thesis he has used programming, database access, Computer Architecture/Organization, and Neural Networks concepts. He also has good problem solving skills. Raja is able to program in Java and C. He has done a good job on integrating embedded programming into solving the thesis problem.

Anand Kumar



Dr. Anand Kumar
Associate Professor
Contact: akumar@bitsdubai.com

B.E. (Hons) in Electrical and Electronics Engineering, BITS Pilani
MS & PhD in Electrical & Computer Engineering, Rice University, Houston, TX, USA.
Taught previously at New York Institute of Technology, Abu Dhabi, UAE.
8 years at Motorola India (Bangalore) and Ericsson (Bangalore, India and Dallas, TX, USA).



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