

# **KRISHNA BHARGAVA VANGAPANDU**

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## ***Objective***

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Looking for a research oriented position where I can contribute to my organization with my ability to develop practical solutions as well as conduct research wherever needed.

## ***Professional Summary***

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- Worked as SOFTWARE ASSOCIATE at Kanbay Software Pvt. Ltd.
- Worked as part-time freelance programmer for seven months at RentACoder.com on different kinds of projects on platforms ranging from Gnu-C to Microsoft.NET 2.0. Good expertise on J2EE platform.
- Expertise in Web Applications Development on ASP.NET platform. Extensive knowledge of the .NET Framework Base Classes and experienced in using them for both Windows and Web applications.
- Experience with databases like MySQL, SQL Server, Ms Access and SQL Server Express.
- Undergone Fresher Learning Program at Kanbay on Mainframes platform and thus am well versed with Mainframe technologies like MVS/VSAM, JCL, COBOL, and CICS.
- Hands-on experience with IDE like NetBeans, Eclipse and Microsoft Visual Studio (2003-2008 Beta).
- Good communication and inter-personal skills with good capability to work and conduct research under various situations.
- Being a quick learner helped me quite a lot in learning different application development platforms.
- Graduate Assistant at Department of Computer Science, University of Georgia.

## ***Research Summary***

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- Presently working on "Detection of JavaScript based Spam" with Dr. Kang Li. The main goal of this project is to develop an anomaly detection system that can sense SPAM whose source techniques employ JavaScript. Hopefully this is going to be the topic for my Master's Thesis.
- Conducted research on Mean Shift Tracking, Face Detection and Blob Feature Extraction for one semester and could successfully implement Mean Shift tracker and Blob Feature Extraction API in Java. The pending work is on using AdaBoost Algorithm for Face Detection.
- My research interests are in the area of Distributed Systems, Code Generation and Optimization and to some extent on Network Security(though not that versed with the current trends in security)

## Skills Profile

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### Technical

<b>Operating System</b>	All flavors of Windows(95 to XP), Red hat Linux, MVS(z/OS)
<b>Environment</b>	Microsoft.NET Framework 1.1-3.5(Beta), J2EE Platform Also worked on embedded systems tools like Keil uVision,etc
<b>Database</b>	Oracle, SQL Server 2000/2005, MySQL
<b>Internet Tools</b>	HTML, CSS, JavaScript on the client side & ASP.NET 1.1, ASP.NET 2.0, Grails, JSP, Servlets on server side.
<b>Languages</b>	C, C++, COBOL, JCL, JAVA, VISUAL BASIC.NET, C#, Groovy.
<b>Other</b>	Expertise with UML Modeling on Rational Rose Suite.

### Teaching

<b>Summer 2007</b>	Teaching Assistant for CSCI 1730 - C++ and Systems Programming. Worked under Dr. Eileen Kreamer. Responsibilities include grading assignments, exams and conducted a few sessions.
<b>Fall 2007</b>	- To be assigned -

## Summary of Projects

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### Mean Shift Tracker

Successfully implemented Mean Shift tracking described in the paper "Kernel Based Object Tracking, Comaniciu et al." in Java. Worked on this project during my tenure as Research Assistant under Dr. Hamid R. Arabnia.

### Blob Library

The Blob Library is a Java API useful for Blob feature extraction. Around 45 various features like Eccentricity of a blob, circularity factor, etc were implemented. Developed this during my tenure as Research Assistant under Dr. Hamid R. Arabnia.

### Remote PC Monitoring Suite

Proposed and developed this Remote PC tool on .NET Framework 2.0 and C#, as final semester project. In the team of three members, I was awarded E (Excellent). The project implemented several concepts of .Net including Remoting Framework.

### Others

As a freelancer, I have worked on almost 45 various software products which include Online Community (Servlets), Content Management System (ASP.NET), Program Scheduler (.NET) and Online Error Report Tool among several other similar software products.

## Training

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- Fresher Learning Program on Mainframes at Kanbay. Scored over 85% aggregate in all the modules and stood first in each of those.
- Undertook diploma level training on Microsoft.NET Platforms 1.1 and 2.0

## **Awards**

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- Won “Best Learner” and “Best Guide” during FLP at Kanbay Software(I)Pvt Ltd.
- Twice awarded Certificate of Merit by Vasavi College of Engineering for standing second in the Department of Information Technology.

## **Education**

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### **Masters of Science (Computer Science)**

**Spring 2007 – present**

- Pursing M.S in CS(Thesis) at University of Georgia, USA.
- Courses taken include Computer Networks, Advanced Networks, Database Systems, Distributed Systems, Image Processing, Parallel and Distributed Simulation, Algorithms.
- Current GPA : 3.69

### **Bachelor of Engineering (Information Technology)**

**August 2002–May 2006**

- Completed B.E (I.T) from Vasavi College of Engineering, one of the top Engineering colleges in the state of Andhra Pradesh.
- Aggregate: 81.1% .With GPA 3.81/4(81% aggregate), I stood second in the Department of Information Technology for four consecutive semesters and first in the final but one semester. And was twice awarded Merit certificate and cash prize by the College, for academic excellence.

### **Intermediate (M.P.C)**

**June 2000– April 2002**

- Examination Authority: Board of Intermediate, Andhra Pradesh.
- Subjects: Maths, Physics, Chemistry.
- Aggregate: 87.7%

### **S.S.C**

**till May 2000**

- Examination Authority: State Secondary Board of Education, Andhra Pradesh.
  - Aggregate: 86.6%
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