

Vaishakh Baragur Narasimhareddy

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Education

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| • R. V. College of Engineering
B.E , Computer Science and Engineering CGPA: 8.69 | 2009 - 2013
Bangalore |
| • M.E.S. Kishore Kendra Pre-University College
P.U.C: Aggregate: 93% | 2007-2009
Bangalore |
| • Parachute Regiment School
C.B.S.E : 90.6% | 2007
Bangalore |

Software Skills

- **Languages:** C, C++, Java, J2EE, HTML, CSS, JavaScript, Velocity
- **Frameworks:** Spring, Struts
- **Database:** MySQL, Oracle DB
- **Programming:** Unix System Programming, Opengl Graphics programming.
- **Others:** 508 Compliance, OpenSSL
- **Documentation:** \LaTeX

Publications

- Implementation of MKD-WebServer Rating Application for Analysis of Web performance through SSL at the International Journal of Advanced Research in Computer Engineering and Technology (IJARCET) January 2013
See: <http://ijarcet.org/wp-content/uploads/IJARCET-VOL-2-ISSUE-1-314-318.pdf#!>
- Key Based Data Embedding Technique in Image Steganography
in second International conference on Recent Trends in Computer Science and Engineering (ICRTCS)2013
ISBN : 978-81-31703-83-5, 26th May, 2013, Bangalore.
See: <http://vaishakhbn.in/documents/imgStegoPaper.pdf>
- A Survey of Existing Resource Management Techniques in Virtual Environments at the International Journal of Advanced Engineering Technology E-ISSN 0976-3945 October 2012
See: <http://vaishakhbn.in/documents/resource-management.pdf>
- CAPTCHAs: A Review of the Existing Techniques and a New Technique in a National Conference on Recent Trends in Computer Technology held at RV College Of Engineering.
See: <http://vaishakhbn.in/documents/captchas.pdf>

Work Summary

Sabre Holdings

July 2013 to Present

- **Role:** Associate Software Developer
Technologies: Java, J2EE, HTML, CSS, JavaScript, Velocity
Worked in the Site Quality Team of corporate booking tool GetThere and the 508 Compliance Team of Sabre Virtual Meetings.

Internships

Exeter Group

Feb - May 2013

- **Automation of the Build Process of OneGate Product**

Technology: UNIX Shell Scripting

Worked on the automation of the build process. Also was exposed to Servlets, Portlets and Spring Framework.

Indian Institute of Science, MILE Lab.

Jun - Aug 2011.

- **SAPI Wrapper And Installer for MILE Text To Speech Engine(TTS)**

Technology: C++, Java, JNI and Inno Setup Scripting.

Worked on making MILE Text To Speech Engine compliant with Microsoft Speech API, database size reduction and creating an installer.

Projects

- **Time Series Data Mining Tool**

Technologies: Java, J2EE **Platform:** Windows.

The project focused on analysis of Rainfall time series of Chikkaballapur District. The tool was used to perform anomaly detection, forecasting, similarity detection and temporal pattern detection on the above data set. A web based interface with chart visualisation was provided for the end user. This was done using Java Server pages and Servlets.

See: <https://github.com/nsatvik/ts-datamining>

- **SSL Web Server Rating Application**

Technologies: C, PHP, OpenSSL.

SSL is widely used in web applications that involve electronic ordering and payments. It is assumed that as long as the website is protected using SSL, it is secure. However that is not true. The objective of the project was to find out the safety of a transaction by taking cipher suites, signature algorithms, public key length, Certificate and other factors into consideration.

See: <https://github.com/vaishakhbn/SSLRating>

- **Key Based Data Embedding Technique in Image Steganography**

Technologies: Java, SWT. **Platform :** Windows

The project implemented a novel method of data embedding in images by making use of a key. The key was used for internally embedding data in the image. An additional level of security is added by using the Advanced Encryption Standard (AES) for encrypting the data before embedding it. For the key distribution, Diffie Hellman Key Exchange Protocol was used. A data embedding capacity of 12.5% was achieved.

See: <https://github.com/vaishakhbn/imgStego>

- **Crime Database Management System**

Technologies: Visual Basic, MySQL **Platform:** Windows.

Crime Database Management system is aimed at efficient exchange of information on convictions of criminals and helping the concerned authorities in their endeavors of making this world better place.

See: <https://github.com/vaishakhbn/CrimeDatabase>

Achievements

- Runner Up of Bangalore region of TCS Tech Bytes 2012- A IT Quiz for Engineering Students
- Second Place in "Technovation" a National Level product presentation competition in Sastra University, Tanjore.
- Finalist Of ImpressIT, a proof of Concept IT solution contest jointly organized by Government Of Karnataka and SAP Labs.
- Second prize in the Tech quiz organized by CISCO in 25th CSI(Computer Society Of India) student convention held at RV College of Engineering.
- Organizer and event coordinator of the 8th Mile 2012(Techno cultural Fest Of RVCE)