

Bhavani B

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Objective: To be a part of a challenging team which explores my potential and provides me with the opportunity to enhance my talent, with an intention to be an asset to the company and contributing greatly to the cutting-edge technology.

Academic Qualification:

Year	Course	Institute	Board/ University	Result
2015	B.E in ISE	PESIT, Bangalore	Autonomous under Visvesvaraya Technological University, Belgaum	8.40 CGPA
2011	Pre-University (2 nd PU)	Vijaya Composite Pre- University College, Bangalore	Department of Pre-University Education, Karnataka	85% PCM-87%
2009	Schooling (10 th std.)	Baldwin Girls' High School, Bangalore	Council for the Indian School Certificate Examination, New Delhi	82.7%

Technical Skills:

Programming	Java, C, C++, Python, Java Applet
Data Mining	Weka, Orange, NLTK
Database Management	MySQL, Oracle SQL
Cloud Software	Chef, Openstack, Hadoop
Operating System	Linux, Windows, Macintosh
Web Development	REST, SOA, HTML5, CSS3, PHP, JavaScript, Ajax, JQuery, Servlet
Mobile	Android
Networking	REST, Cisco Packet Tracer, Wireshark
Frameworks	TestNG, JUnit
Platforms	Eclipse, Android Studio, JGrasp, Latex, TeXMaker

Projects:

- Currently working on **GoFFish – A Sub-Graph Centric Framework for Large-Scale Graph Analytics**, under the guidance of Dr. Yogesh Simmhan, Assistant Professor at Supercomputer Education and Research Center, Indian Institute of Science, and Prof. Dinkar Sitaram, Department of Computer Science and Engineering, PES Institute of Technology, Bangalore.
- **Natural Language Processing** – Text Normalization, Stemming and Lemmatization using NLTK, TFIDF Computation, Built and worked with **Language Models**, Application of **Hidden Markov Model**, Parsing, Built Named Entity Recognizer, Worked on Speech and Language Processing.
- **Data Classification and Analysis** of Iris of a flower using **Weka** and **Orange** tools.
- **Pariksha** – An Android app that generates the classroom seating layout of students during examinations. The project makes use of backend services for the layout computation.
- **MedBook** – A medical website that maintains users' health records and sends reminders to the users' phone a day before the next scheduled health checkup.
- **Applet to Demonstrate ICMP Redirect** (Internet Control Message Protocol)
- **Parser for C** programming language.
- **Car Rental Services** – Project to simulate renting of cars using php, mysql and html.
- **Ali Guli Mane** – Implemented the Indian Traditional game using ArrayLists.

- **Huffman coding** – Mini-project in Analysis and Design of Algorithms, used for lossless data compression.
- **Introsort** – Implementation in C, combination of quicksort and heapsort.
- **Birthday Reminder** – Worked on a project in Java to maintain a list of employee birthdays in order of dates and to check if there is any employee's birthday today.
- **Latex** - Learnt how to document reports using Texmaker tool.
- Part of '**jed-i Apprentice program**' – Programme conducted by faculty from IISc, where a small chosen group of students are given the exposure to technology and team work to become *gifted engineers*. Website: <http://apprentice.jed-i.in/>
- **Wall Avoiding Robot** – The project at jed-i was based on the Arduino microcontroller. The robot changed its direction of motion when it sensed an obstruction at 1 foot distance.
- **Autopilot Aircraft** – Worked on the control systems for an autopilot aircraft at jed-i. The project involved developing algorithms to maneuver the aircraft using Raspberry Pi.
- Part of '**Ordell Ugo**' – A Simulated Software Company at PESIT. Worked on '**RATE**' project. RATE is a Realtime Analysis and Feedback Mechanism of Tutoring Ecosystem. It is a feedback analysis mechanism in which the level of understanding of students is obtained and consequently different teaching methods are adapted.
- Part of '**iNoah**' – A Community based Cloud Computing Awareness Evangelism initiative at Ordell Ugo, PESIT, in association with **IEEE** and **IEEE Computer Society**. The project aims to develop a one stop solution to set up a cloud using optimal infrastructure with openstack software for educational institutions and run experiments on it.
- **Conducted iNoah Workshops** at various colleges in Karnataka such as Reva Institute of Technology and Management-Bangalore, Malnad College of Engineering-Hassan etc.

Internships:

- Internship at **LinkedIn India**, during engineering 3rd year summer vacation - Worked as a part of **Team Money** by writing Backend Integration Tests for various services.
- Internship at **Snyxius Technologies Pvt Ltd.**, during engineering 2nd year summer vacation – Worked on a **Web Development Client Project** to build a website for Byjus CAT Classes.
- Internship at **Akamai Technologies India Pvt Ltd.**, during engineering 1st year summer vacation – Worked on **REST Web Services** to fetch the report packs and reports for a given reportpack id.

Achievements:

- **Distinction Awardee** at PES institute of Technology, **2011 to Present**.
- Selected for **Summer School** conducted by the Computer Science and Automation Department at **Indian Institute of Science** to be held during June, 2014.
- Selected for **CUDA Programming and GPU Workshop** conducted by the Department of SERC at **Indian Institute of Science** during January, 2013.
- Attended **PyCon India 2013**, a premier conference in India on using and developing the Python programming language, conducted by the Python Developer community.
- Member Technical Staff at **Ordell Ugo**, PESIT, in association with **IEEE** and **IEEE Computer Society**. Conducted iNoah workshops at various colleges in Karnataka
- Secured a **School Rank '1'** in **International Mathematics Olympiad, 2009**

Extra-Curricular Activities:

- Organized '**Junkyard Wars**' – a competition to make use of junk materials in constructive ways, in '**Vithvara**' - the Inter-College Science Fest, 2012 in PESIT.
- Part of the volunteering team of PESIT sports fest '**Infiny**' - Was a **flautist** in the School Band.
- Play the '**Veena**'.

Interests:

Analytical thinking, problem solving, leadership, interacting with people, cooking, music, reading, art and craft, surfing the Internet for information.

Personal Details:

Date of Birth: 1st November, 1992

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Father's Name: Dr. B. V. Balasubramanyam

Mother's Name: H. C. Rajeswari