

# Pabitha Wishvajith

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## Objective:

Work passionately and efficiently with new technologies and new working environments as a team player providing the best within me while encouraging others as well and also to give commitment to the work that I am assigned while making it my priority.

## Academic Qualification:

- Bachelor of Science (Computer science), University of Colombo School of Computing (2009 – Present).
  - **Current GPA: 3.3294** (Second Class Upper Division)
  - Interested courses with corresponding grades.

Module	Grade
Introduction to Programming (Java)	A+
System Programming	A+
Compilers and Automata Theory	A+
Operating Systems	A
Analog and Digital Electronics	A
Introduction to Programming Languages	A
Statistical Inference for Computing	A

Neural Computing	A-
Intro. to Data structures and Algorithms	A-
Computer Systems	B+
Database Management Systems	B+
Rapid Application Development	B+
Advanced Data Structures and Algorithms	B+
Networking Technologies	B+
Cryptography Systems	B+

- Passed GCE A/L Exam (Physical science stream) with 3 “B” passes, Kalutara Vidyalaya National School (2008).
  - **Z-Score: 1.7266**
- Passed GCE O/L Exam with 6 “A” passes, Kalutara Vidyalaya National School (2005).

## Professional Qualifications

- Followed a computer hardware course at vocational training center – Dehiwela 2008
- Followed MCTS (Exam 70-505) course at E-soft institute – Babmalapitiya 2012
- Participate for a work shop about ABAP development at MAS IT – Pannala 2012

## Projects:

- Final year research project (Ongoing) – “Towards language independent semi-automated tool for software refactoring”.
  - Objective: Optimize the quality of source code to increase the **maintainability** of software, independent of the implemented language and evaluate the impact of software refactoring on development life cycle.
  - Built a **metamodel** out of the source code to generalize the language dependency. This metamodel describe abstract level representation of the source code of candidate software independent of the implemented language.
  - Mapping process of the source code with the metamodel involve lexical analyzer (**JLex/Lex**) and hardcoded parser with the help of user defined set of rules (constraints).
  - Currently on the process of developing an extension for eclipse IDE using **eclipse PDE, java, XML** to automate the process of software refactoring.
- Developed an android application to recognize Sri Lankan currency notes using **Android SDK, SQLite** and **MATLAB** for blind people as third year group project.
  - System constantly takes images of currency notes through the inbuilt camera of the mobile phone as the inputs. Using image processing algorithms it will extract some features out of the image and feature vector will be passed in to the trained neural network. Finally recognized value of the note will be output via a sound clip.
- Developed a software using **C#** and **AForge** libraries to detect the number plate of a given motor car image and derive the number in to a string using image processing algorithms as an assignment project for Computer Graphic and Image Processing course.
- Developed a website and host it as 2nd year group project in rapid application development course using **Joomla, PHP** and **JavaScript**.
- As an in-plant trainee at MAS Capital (Pvt) Ltd IT Division,
  - Developed an android application to submit data to MS SQL database using **Android SDK** and **SQLite**.
  - Developed a web based system as a backend application to set up production floor information using **C#, ASP.net, CSS, HTML** and **JavaScript**.
  - Developed web based system to be used on tablet PCs and data capture devices which helps to capture production floor data at factories using **C#, ASP.net, CSS, HTML** and **JavaScript**.
  - Developed following input and output tools(**C#, ASP.net, CSS, HTML** and **JavaScript**)
    - Display board functionality
    - Bar-code generating tool
    - Report generating tool
- Voluntary development – developed an online web based system to calculate GPA value of undergraduates of UCSC. Site URL - <http://wpabitha.hyperphp.com/>

## Technological Expertise

- Programming Languages:
  - JAVA, C, C++, C#.net, Python, R, ABAP (SAP)
  - MySQL, MS SQL, SQLite
  - HTML, XML, JavaScript, MVC
- Operating Systems:
  - Windows, Linux
- Applications:
  - NetBeans, Visual Studio, eclipse
  - Adobe Photoshop, Adobe Flash, Ulead Video Studio
- Frameworks/Libraries/SDK:
  - Sage
  - ASP.NET, AForge.NET
  - Android SDK, Neuroph

## Work experience:

- Worked as an in-plant trainee at MAS Capital (Pvt) Ltd IT Division for 5 months.

## Extracurricular Activities:

- An active member of the Microsoft Student Champs community.
- Has conducted lectures at various workshops arranged by CompSoc UOC for school children and teacher trainees.
- Was an demonstrator at cyber crimes and digital forensic stall in ifo++ IT exhibition organized by university of Colombo school of computing.
- Participated in various cultural events organized by university.
- Played for school chess club.

## Skills and Interests

- Like to experiment with new technologies and new softwares and manipulate them.
- Enjoy team work and I am not at all reluctant to be led or to lead, having experience in both.
- Ever-ready to adapt to new technology and changing working environments.
- Love to play guitar while enjoying some classical music when feeling stressed

## Personal Information:

Full name: Pabitha Wishvajith Teldeniya  
Date of birth: 07-04-1989  
Gender: Male  
Nationality: Sri Lankan  
Civil status: Single

## Referees:

### Academic

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### External

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I do here by declare that the above mentioned details are true and accurate to the best of my knowledge.

P.W. Teldeniya  
9/27/2013