**PRADEEP MAHABHASHYAM**

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**SUMMARY**

* Graduate student with academic experience in Web Development and Object Oriented Programming.
* Passionate about building user-friendly applications that are useful in solving real world problems.
* Experience in working with Agile and Rapid Application Development software process models.

**EXPERIENCE**

**Graduate Teaching Assistant**, Software Process May 2016 - December 2016

University of Houston - Clear Lake

* Assisted Professor with lessons, proctored examinations, prepared and evaluated the assignments.
* Improved student participation in the classroom by conducting Agile games and role play exercises.
* Researched and presented a technical paper on ‘**Teaching Agile Methodologies Using Games**’ at a dual conference hosted by **NASA and IEEE**, October 2016.

**Student Web Developer** May 2014 - May 2015

St Martin’s Engineering College, Hyderabad, India

* Develop and maintain official website for college with regular updates on campus activities, events and placements.
* Design websites for college fest that allow students to enroll for technical and extra-curricular activities.

**TECHNICAL SKILLS**

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| --- | --- |
| Programming Languages | Java, C#, C, C++ |
| Web Technology | PHP, Bootstrap, ASP.NET, JavaScript, HTML, CSS |
| Methodologies | Agile, Waterfall, Rapid Application Development (RAD) |
| Backend Management | MySQL, SQL, MS Access |

**EDUCATION**

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| --- | --- | --- |
| University of Houston - Clear Lake, Houston  **Masters in Software Engineering** | **May 2017** | **3.7 GPA** |
| St Martin’s Engineering College, Hyderabad, India  **Bachelor of Technology in Computer Science & Engineering** | **May 2015** | **3.5 GPA** |

**PROJECTS**

**UHCL Flea Market: ASP.NET and C#** Spring 2017

Developing a free classified website for University of Houston- Clear Lake, using which students can buy and sell items such as books, furniture, clothes or even post roommate requests.

**Video-streaming web application:** **PHP and MySQL** Fall 2016

Developed a web application which allows users to view videos as per category, such as academics, infrastructure, events. MySQL is used to maintain the backend of the website.

**Connect 4 game:** **C language** Fall 2016

Developed a game using threads by assigning a thread to referee and another thread to the players, where players compete with the computer by dropping pegs into the slots.

**Effective pattern discovery for text mining:** **ASP.NET and C#** Spring 2016

Developed an application which provides an effective pattern discovery technique that calculates discovered specificities of patterns and then evaluates term weights for solving misinterpretation problem.

**Password Wallet:** **Java** May 2015 Designed an interactive desktop application for password management that allows users to add, delete and reset passwords. All user passwords are stored in an encrypted form using SHA-256 and AES encryption techniques.

**SPEAKING ENGAGEMENTS**

* Presented a paper on ‘**Agile Project Management Tools**’ at UHCL, Spring 2016.
* Paper Presentation on ‘**Ethical Hacking**’ at TECHNOSMEC 2012, a national level technical symposium conducted by St. Martins Engineering College, JNTUH.
* Paper Presentation on ‘**Holographic Memory**’ at TECHNOSMEC, 2013.

**VOLUNTEER EXPERIENCE**

* Worked as international orientation leader for the international student orientation day at UHCL.
* Volunteered for the events of TAM (Technology Awareness Month), an IEEE St. Martins’ student organization.
* Coordinated and hosted graduation day and faculty development program during undergraduate study.