

# 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

Programming Languages

Java, C#, C, C++

Web Technology

PHP, Bootstrap, ASP.NET, JavaScript, AngularJS, JQuery, HTML, CSS

Methodologies

Agile, Waterfall, Rapid Application Development (RAD)

Backend Management

MySQL, SQL, MS Access

## EDUCATION

University of Houston - Clear Lake, Houston

May 2017

3.7 GPA

### **Masters in Software Engineering**

St Martin's Engineering College, Hyderabad, India

May 2015

3.5 GPA

### **Bachelor of Technology in Computer Science & Engineering**

## 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.