

Keshav Kasichainula

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TECHNICAL SKILLS

Programming Languages: C, C#, Java, Python, HTML, CSS, JavaScript, Bootstrap, MongoDB.
Frameworks: Asp.Net, Django.
Database: MySQL, Firebase.
Tools: Visual Studio, Eclipse, IntelliJ IDEA, GitHub.

EDUCATION

PhD in Computer Science August 2017 - Present
Advisor: **Dr. Ioannis Pavlidis**
University of Houston – Main Campus, Houston, TX

Master of Sciences in Computer Science May 2017
University of Houston-Clear Lake, Houston, TX GPA 3.3/4.0

Bachelors of Technology in Electronics and Communication Aug 2015
Gandhi Institute of Technology and Management GPA 3.5/4.0

WORK EXPERIENCE

Research Assistant - University of Houston, Main Campus August 2017 - Present

- Working on building a web application to visualize the data collected during the research.

Graduate Teaching Assistant - University of Houston, Clear Lake Jan 2016 – May 2017

- Worked with professors on courses like Database Management systems and Design of databases

RESEARCH PROJECTS

Middle Ware Cloud Application Development for Biofeedback Research August 2017 - Present

Biofeedback is an ongoing research at University of Houston which mainly focuses on how different body sensors react to different situations. The subjects are put through different tasks like counting numbers backwards while they are driving or while a surgeon is performing surgery. This data is then collected and pushed into a specified cloud storage system. A web application is used to access the data and visualize the recorded data for further research into the study.

- The web application is built on a Django framework.
- It uses firebase for authentication and D3 JavaScript library.
- For the cloud storage we are using AWS S3 buckets.
- URL: <http://subjectbook.times.uh.edu/>

ACADEMIC PROJECTS

Drone Delivery System Spring 2016

- Implemented an online portal for different sellers to ship the products to clients using drones
- Used an **ASP.NET** framework and **SQL database** to manage the data of the seller and the client address.
- PayPal system is used to manage the payment systems in the application.

Distributed Mail and Calendar Services Spring 2016

- Implemented a **UNIX** application where users can send emails and schedule meeting with other users.
- Used **multithreading, sockets and data structures** in **C** to develop this kind of mail and calendar system.
- File System** was used to store the user's emails and calendar appointments.

Crime Pattern Detection Fall 2015

- Developed a program to detect the likelihood of a certain kind of crime occurring in Houston using **python**.
- Used classifiers like the **J48, Navi-Basina** on the publicly available data-sets at the Houston Police Department website.

CERTIFICATION

- Microsoft** certified 'Programming with C#'. (URL - [1dc9982543864a6b94dca554ba9a286b](https://certificates.microsoft.com/achievements/csharp))
- Google** certified 'Mobile Website Developer'. (URL - <https://goo.gl/BHieWQ>)

AWARDS & ACHIEVEMENT

- Active member at **The National Society of Leadership and Success** at UHCL.
- Active member of ROW adventure club at UHCL and participated in fundraising events for social welfare.
- Associate member of AIESEC and organized a **National Leadership Submit** at Visakhapatnam, INDIA.
- Awarded best innovative project at I2R, GITAM for '**Hover Craft Based Mine Detection Robot**'.