

Venkata Sai Manoj Kashyap Matukumalli



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PROFESSIONAL SUMMARY

I am a Grad-Student from UMBC, I have worked in the area of Software Development, Web Development, User Interface Design and currently researching in the area of Machine Learning.

SKILLS

Programming Languages: C, C++, Java, Python, and VB.net.

Web Development: HTML, CSS, JavaScript, PHP, JSP Drupal and WordPress.

Database Management: Oracle DB, JDBC and phpMyadmin.

Operating Systems: Windows, Ubuntu and Linux.

Presentation Skills: Microsoft Office (PowerPoint, Excel & Word).

EDUCATION

University of Maryland, Baltimore County.

2017 – 2019

Master of Sciences, Computer Science.

G.P.A.: 3.60/4.0

Expected Graduation: May 2019.

Koneru Lakshmiah University.

2013 - 2017

Bachelor of Technology, Computer Science

G.P.A.: 3.31/4.0

Graduated: June 2017.

EXPERIENCE

Research Projects

Improving Web Server Security with Machine Learning

2017 - Present

- Created an automata for the series of the attacks using Python.
- Analyzed the attack patterns and identified the probabilities of the attacks.
- Implemented Viterbi algorithm for identifying state transition probabilities.

Deduplication in Cloud Storage and Proof of Ownership

2016 - 2017

- Built a website that stores and removes duplicate copies of data and secures the files stored in it with AES algorithm.
- Implemented SHA-256 and MD-5 hashing algorithms to generated unique keys (Convergent Keys) to identify duplicate copies of a file.
- This system uses File level deduplication with client side deduplication and secures files using Convergent key management method.

Academic Projects

Website for College Fest

2016 - 2016

- Worked in a team of five to build a website for College fest "SAMYAK 2K16".
- Built the website using HTML, CSS, PHP, JavaScript and MySQL.
- Made the website responsive and fixed data leaks.

User Interface Design for Smart phones

2014 - 2014

- Managed the team of four and assigned tasks to each individual basing on their skill set.
- Built the design using VB.net and Adobe Photoshop.
- Followed waterfall model for designing the project.

Work Experience

Intern, Sphere Management Inc.,

2015 - 2015

- Worked in a team to build a secure E-Commerce website for Timex Group USA, Inc.
- Improved features in the website using Drupal, WordPress, PHP and SQL.
- Identified errors, bugs and fixed them.