KAVYA SRI GUDIVADA

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SUMMARY

Computer science graduate student passionate about designing, developing, testing, and debugging software applications. Good understanding of Software Development Life Cycle, Database design, Data Structures, and Algorithms. Skilled in Cloud Computing, SQL databases, Python, and Web Technology. Strong verbal and communication skills along with problem-solving and analytical skills.

EDUCATION

The University of Texas at Arlington, TX May 2021

Master of Science in Computer Science, GPA: 3.6/4.0

B.N.M Institute of Technology, Bangalore, India May 2019

Bachelor of Engineering in Computer Science, GPA: 3.8/4.0

TECHNICAL SKILLS

- Programming Languages: Java, C, C++, Python, SQL, HTML, CSS, JavaScript, XML, PHP, Bootstrap, UNIX Shell Scripting
- Database Applications: MySQL, Oracle DB, SQLite, Microsoft SQL Server
- Tools/IDE: WordPress, NetBeans, GitHub, Eclipse IDE, phpMyAdmin, Python IDLE, XAMPP, Visual Studio, MS Word, PowerPoint, Excel, Postman, Python Flask, Laravel, Oracle SQL*Plus, Wireshark, Anaconda Python, Jupyter Notebook, Android Studio
- Operating Systems: Windows, Linux, Unix, iOS
- Cloud Computing Services: Amazon Web Services (AWS), IBM Cloud Foundry, Microsoft Azure

WORK EXPERIENCE

Aarika Infosystems, **Bangalore, India** Jan 2018 – Aug 2018

Software Intern

- Designed a client-server model for "Employee Management Application" using Python IDLE and MySQL.
- Created the entity-relationship model, MySQL Queries, and stored procedures to manage the data extraction and manipulation.
- The application reduced the manual work of using CSV to access and manage salary calculations. 9/10 managers found this effective and user-friendly.

PROJECTS

Identifying Phishing Websites Through URL Parsing

- Designed and developed a content filtering application for detecting phishing attacks by checking the Uniform Resource Locators.
- Compared four machine learning algorithms for performance with the same dataset to recognize phishing websites.
- Achieved an average accuracy of 83% from the Decision tree, while the Random forest tree gave an average accuracy of 85%, whereas the Logistic regression and Naïve Bayes obtained an accuracy of 76% and 55% respectively on average.
- Technologies used: Anaconda Python, Jupyter Notebook, and Machine Learning.

Several Website deployed to the cloud in Python Flask

- Customized several web apps that interacted with the database within a time frame of 90 minutes.
- Created an earthquake app, visualized and compared the data using heat maps & color maps in seaborn for over 100 years, and categorized the number of earthquakes in the AWS cloud.
- Deployed the application to cloud service platforms: Microsoft Azure, IBM Cloud, and Amazon Web Services (AWS) using CLI.
- Technologies used: Python Flask, Python, HTML, CSS, and JS.

Hotel Management Application in Android

- Designed and developed a Hotel booking system mobile app in android.
- Led the team and performed various tasks including meeting arrangement, task assignment, document, and technical review.
- Technologies used: Android studio, phpMyAdmin, XML, Java, PHP, and Postman.

Full Stack Web Development (Portfolio)

- Created a portfolio website using phpMyAdmin, WordPress.
- Used MySQL as the database and deployed the dynamic website using Laravel - The PHP framework.
- Technologies used: HTML, CSS, PHP, JavaScript, Bootstrap, Laravel.

PUBLICATIONS

“Identifying Phishing Websites Through URL Parsing,” International Journal of Engineering Research & Technology (IJERT), Vol. 8 Issue 05, May-2019, ISSN: 2278-0181.