Chandrasekhar Reddy Muthyala

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Summary

- Hands-on experience on developing a web application from scratch using **LAMP stack, jQuery, PHP** following **MVC** architecture with **MySQL, PostgreSQL** database.
- Practical understanding of **Object Oriented Concepts** and its usage in **coding and implementation** with creative and innovative thinking skills.
- Well-developed ability for **client interaction, requirement gathering** also in the **technical design, debugging** and **user documentation**.
- Ability to adapt and learn **new platform** within short time, problem solving abilities with quick learning.

Education

Masters in Computer Science (MSCS), *Old Dominion University (ODU)*   **[May,2019]**

Bachelor of Technology in Computer Science, *Amrita Vishwa Vidyapeetham University*   **[May,2015]**

Technical Skills

Languages: C, C++, JAVA, Python, PHP.
Web Technologies: HTML5, CSS3, Bootstrap, JavaScript, jQuery, D3 JS, AJAX.
Database Management System: MySQL, PostgreSQL.
Tool's: WAMP, XAMPP Server, familiar with Git and Perforce.

Honor & Award | Best Project Award

- Each year Dominion Enterprises (DE) conducts Hackathon(Hack U6) to engage student programmers, developers & designers in learning new skills and business applications.
- We as a team of five have developed a google assistant for their business application from the scratch in 2 days and awarded with 3rd prize out of 11 entries into the competition.

Work Experience

Graduate Research Assistant, Old Dominion University   **[Aug,2017 – present]**
 Quiz Management System | Demo

- Developed a Web-based portal **Quiz Management System** for professors to create weekly quizzes for students undergoing courses at ODU and visualization of student performance using **LAMP stack, jQuery, PHP** and **D3.js** technologies.

Student Appointment System | Demo

- Developing a friendly web interface to manage entire process involved in appointing a students as a Graduate assistant for computer science department and keep track of the appointment status.
- Worked on building a tool for Strome College of Business, ODU to convert the financial data in CSV format to powerpoint slides.

R&D Engineer - Synopsys Inc., Bangalore, India.   **[Sep,2015-July,2017]**

- In a team of 4, developed an automated system which can find the hardcoded paths associated with all Verification Group(VG) product binaries and libraries, with the nightly builds every day and make sure there are no hard coded dependencies with any of those file.
- Written test cases for "Automated Testing to find hardcoded paths" and Test case to identify the newly added files and missing files associated with all binaries and libraries of VG products. Writing scripts for identifying Hard coded paths, Absolute paths from "MAKE FILES" using **PYTHON** language.
- Fixing the errors generated by GCC after removing the **-Wno- switches** from Make files.

Major Projects

idYeah! | Demo   **[Aug,2017-Dec,2017]**

- Developed a messaging chat room website like Slack using a LAMP stack, jQuery, PHP, and MySQL.
- Key functionalities like Two Factor Authentication, user profile search, login with GitHub, reCAPTCHA and user Activity Graph were implemented.

Learning Management System(Blackboard) | Demo
- Developed a website for Multi-org Learning Management System for ODU School of Nursing using LAMP stack. Data analytics such as the time spent on each module and student's performance were also implemented.
- This is now being used by 2 other universities to access the course content.

Agitation Detection
- Working on detection of agitation in Dementia patients using various sensors values such as accelerometer, gyroscope, heart rate and decibel level obtained from off-the shelf-devices.
- Developed machine learning models to profile the patients, detect anger and alert the authorities immediately.

Selected Presentation at Academic Conference

Biometric system | Springer Link

Boggaram, A. S., Mallampalli, P. R., **Muthyala, C. R.**, & Manjusha, R. (2016). A Novel Approach for Biometric Authentication System Using Ear, 2D Face and 3D Face Modalities, New Delhi.

Online Course Certifications:
- **HTML5 Animated Image Gallery** in Eduonix Learning Solutions Pvt Ltd.
- **Python 3 Tutorial** in SoloLearn, License 1073-2777149.
- **Using Python to Access Web Data** by University of Michigan (Grade Achieved: 97%).
- **Using Databases with Python** by University of Michigan (Grade Achieved: 98.9%).
- **Python Data structures** by University of Michigan (Grade Achieved: 100 %).
- **Introduction to Data Sciences in python** by University of Michigan (Grade Achieved: 90%).