SAI KUMAR THALLADA

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Education:

Master of Science in Computer Science (GPA: 4.0) *University of North Carolina Charlotte* Dec 2020
Coursework: Algorithms and Data structures, Knowledge discovery in Databases, Cloud Computing for Data Analysis, Network Based Application Development, Parallel Computing, Big Data for Competitive Advantage.

Bachelor of Engineering in Computer Science (GPA: 3.6) *Osmania University* May 2016
Coursework: Object Oriented Programming in Java, Design and Analysis of Algorithms, Database Management Systems, Data Structures and Algorithms, Operating Systems.

TECHNICAL PROFICIENCIES:

Languages:	Java, C, Python
Databases:	SQL, Oracle, MongoDB, MySQL, PL/SQL
Technologies:	HTML, AEM (Adobe Experience Manager), WordPress, Sightly, CSS, JavaScript, jQuery, JSON, XML, Node.js, ExpressJS, Mongoose, Application Development Framework, AWS (EMR, S3, EC2), JSP, PHP, XPATH, JSON, REST APIs, Query Builder, Spring, Hibernate, Spring MVC
Servers:	WebLogic, Apache Tomcat, Xamp, Wamp, JBOSS, Apache Felix
Tools and Software:	Tableau, Docker, Eclipse IDE, SQL developer, SQL plus, Maven, Ant, Git, SVN, Sonar, Jenkins, Bamboo, Jira, Splunk, Perforce

ACADEMIC PROJECTS:

Web Application for Book Events and reading (Fall-2020): Developed web-based artifacts to render book exhibition events in the form of connections, user can login and respond to respective events as well store in their library. This is implemented on *NodeJs, HTML5* for front-end, dynamic content to website is stored in *MongoDB, and Mongoose* is the *npm* API used to serve requests. Project Code, Project View
Prediction and Analysis of COVID19 cases (Fall-2020): Time series forecasting of COVID19 cases across United States using Machine Learning, Forecasting of COVID19 Cases using a Non Linear Dataset. Implemented Linear Regression on exponential data, was able to achieve curve fitting. Project Code
AQI Retrieval (May-2020): Developed a python package for AQI retrieval from EPA API. AQI Retrieve provides the data for the Air Quality Index of the United States from the AirNow. The data collected is at a County level. Project Code
Online Attendance System (Fall-2015): Simulation of real-time online attendance system for students and employee in a college used *HTML5* for front end UI, *CSS* for styling, *JavaScript* for events handling, *PHP* for session handling.
Key Aggregate Cryptosystem for Scalable Data Sharing in Cloud Storage (Spring-2016): Sharing files in encrypted format using Google AppEngine as a cloud storage, the receiver decrypts it by using a public key which will be sent to the receiver through email. Implemented the project using *Java, MySQL, Procedures, HTML5, CSS, Java-Applets*. Project Code
For more projects please find my github repositories tab provided below and LinkedIn profile.

WORK EXPERIENCE:

Software Engineer, Cognizant Technology Solutions - Hyderabad, India **Sep 2016 to Jul 2019**

- Worked as a Web Application Development using **AEM (Adobe Experience Manager)** in CMS (Content Management System) using **Java**, **Apache Sling** Framework, **OSGI services**, Sightly, and JavaScript.
- Developed new web templates on **WordPress**.
- Built **RESTful web services** to fetch and update user data into **OKTA SSO** services.
- Developed stored **procedures** to fetch information from vast customer data using **MySQL**.
- Created **replication agents** in AEM to publish the latest content into **Cloudflare CDN**.
- Deployed applications in to production servers, good knowledge on **UNIX commands**.
- Developed best approach for **site search using SQL2, and Query Builder**.
- Wrote automation scripts to push emails in Obsidian using **Cron jobs**.
- Developed many HTTP-based RESTful APIs to handle user requests.
- Involved in **Agile** based software development by following **SCRUM** methodology and used **JIRA** for project management and used **Confluence** to collaborate and share knowledge.
- Developed Java scripts to scrape financial data for a client using DOM, XPATH and converted these prototypes into production deployment.
- Regular inspection and monitoring of code in production. The task required analytical and logical approach to issues to ensure timely avoidance of escalations.
- I love to automate mundane tasks, which reduces human effort.