

SARIKA TANDALE

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WORK EXPERIENCE

Software Engineer at Cognigen Corporation, Buffalo, NY

November 2018 – Present

- Responsible for feature development and bug fixes to KIWI – a cloud-based software system used by pharmacometricians for communicating the results of model-based drug development
- Worked on Ext JS framework, PHP slim framework, HTML, CSS and SQL which forms the base of KIWI
- Created an R package which enables users to interact with KIWI via web API endpoints
- Followed Agile software development methodology supported by JIRA and confluence

Web Developer at TMPI Inc, Hayward, CA

April 2018 – November 2018

- Responsible for requirement gathering, designing, implementing all application layers and testing of website developed for scheduling pickup of precision parts
- Implemented a customer serving portal using HTML, CSS (Bootstrap), PHP, JavaScript (jQuery), WAMP to schedule pickup and send email notification to the Scheduling team
- Developed a portal for Scheduling team to customize time, date and other details regarding pickup of the product
- Worked on libraries like PHP mailer (to send secure email notifications) and Google's places library (auto-complete addresses)
- Collaborated with other departments to bring innovation in the methodology already being used. Suggested means to go paperless which decreased the paper usage by 40%

Business Application Developer at Keiser Corporation, Fresno, CA

July 2017 – March 2018

- Developed a website which displays manuals of the gym equipment using Vue.js framework and Bulma CSS framework
- Communicated with the sales team and developed customizations on SugarCRM platform using JavaScript and PHP
- Worked on several REST APIs like SugarCRM API, USPS API using HTTP GET and POST requests for communication
- Carried out the complete migration from SugarCRM Professional version 6 to SugarCRM version 7

EDUCATION

Master of Science, Computer Science

August 2015 – May 2017

California State University, Fresno (Fresno State)

3.02 GPA

Recipient of Dean's Scholarship Tuition Waiver

Bachelor of Engineering, Information Technology

June 2010 – May 2014

University of Pune, India

3.47 GPA

RELATED COURSEWORK

Web Programming

Artificial Intelligence

Object Oriented Modeling and Design

Advanced Database Systems

Design and Analysis of Algorithms

Information Assurance and Security

Software Testing and Quality Assurance

Computer Graphics

Human Computer Interaction and Usability

INTERNSHIP EXPERIENCE

Research Assistant at California Water Institute, Fresno, CA

September 2015 – May 2017

- Designed a website for Farmers using PHP, HTML, CSS, MySQL and XAMPP to share the data online through worksheet
- Performed Data analysis and visualization of weather data and inserted the cleaned data into MySQL database from FTP server using R and Python scripts
- Optimized the database by writing SQL queries giving privileges and remote access to certain users, thus making the data more secure and accessible
- Make predictions for future data with 85% accuracy using Azure Machine Learning Studio's Linear Regression Algorithm

Systems Engineer Trainee at Infosys Private Limited, Mysore, India

January 2015 - June 2015

- Successfully completed the generic training in Java (Object Oriented concepts), Database Management system (MySQL and Oracle), Algorithms and Software Engineering (HTML, CSS, JavaScript)
- Completed Stream training in JAVA framework involving hands on skills in Advanced Java concepts including collections, generics, serialization, applets, J2EE, JavaBeans

Intern at Binary Stream Private Limited, Pune, India

November 2013 - April 2014

- Developed a system to keep track of school bus using Radio Frequency Identification for DAV public school, India, which helped parents watch the route and ensure their child's safety
- Oracle 10 g was used to save student and vehicle information and the schema was designed in such a way that it reduced the redundancy by 40%
- Designed an Android application to view results and track vehicles over a portal

TECHNICAL SKILLS

- Programming Languages: Java, C, C++
- Scripting Languages: PHP, JavaScript, R, Python
- Operating Systems: Windows, Ubuntu, Android
- Website Development: HTML, CSS, jQuery, AJAX, JSON, XML
- Database Development: Oracle, MySQL Workbench, SQL, PhpMyAdmin
- Other Tools: Docker, Win magi ERP, Azure Machine Learning studio, Power Query, Power BI, OpenGL, ArcMap, Git, Eclipse, Visual Studio, Subversion

PROJECTS

Website for Fresno State Winery

May 2017-July 2017

- Built and tested a website for the Winery using HTML, CSS, jQuery, PHP and JavaScript
- MySQL and PhpMyAdmin was used for storing relevant information

Temperature Data Visualization across San Joaquin Valley

January 2017-May 2017

- Implemented ggplot2 and gmap packages in R language for Spatial visualization of data
- Created temperature heat maps across various stations using data from CSV file
- Built temperature plots using other tools like Power BI, ArcMap, Power Maps

Online Shopping Cart

January 2015-June 2015

- Developed several modules using three- tier architecture i.e. business logic layer, data access layer and presentation layer which improved code reusability
- Implemented "Data Transfer object" as the design pattern and POJO concept along with technology like JSP, JSF, JPA, EJB and MySQL made the application more flexible
- JUnit framework, used for writing test cases helped improve the code reliability

Website for Sale of Electronics gadgets

January 2013-June 2013

- Visual Basic used for designing the front end allowed the user to perform data manipulations such as addition, deletion, modification on the shopping cart as well as view the billing information
- Suggested use of Oracle 10 g over Access as a database which enhanced the performance by 60%

Website for an online cake shop

February 2012-May 2012

- Developed a website using Java to perform data manipulations like addition, deletion, modification to the shopping cart
- Used Microsoft Access to store customer, order and inventory information which made it convenient to share copies of data
- Data modifications and arithmetic operations for billing calculations were saved into the database