Jinu Rose Mathew

6354 Joaquin Murieta Avenue, Unit J | Newark, California, 94560 | **jinumathew04@gmail.com** | **+1(510)-902-8109**
LinkedIn : **www.linkedin.com/in/jinurosemathew**   Github : **https://github.com/jinumathew04**

EDUCATION

Mahatma Gandhi University   Kottayam, Kerala, India
Bachelor of Technology in Computer Science   GPA - 7.37

TECHNICAL SKILLS

- Languages   : Python, HTML5, CSS3, C
- Database   : Oracle, MySQL, SQL Server
- Frameworks : Tableau, Git, MATLAB, Sci-kit, Microsoft Visual Studio, Numpy, Pandas
- Software processes and tools : Git, JIRA, Confluence, Jenkins, Stash, Postman, Scrum agile software methodology

EXPERIENCE

Additional Skill Acquisition Program, Govt. of Kerala   Kerala, India   **Program Manager**
Management Information System   **Mar 2018 - Sep 2019**

- MIS is the web application used by ASAP for the Skill Development Center management.
- The application was used for asset management, financial management, Quality assurance and report generation.
- Effectively communicated with stakeholders for requirement gathering.
- Conducted weekly meetings and stand-ups to ensure timely delivery of the product.
- Automated weekly and daily reports for the upper management using Python and SQL Server.
- Created technical documentation in confluence for various modules of the application.
- Coordinated releases for the MIS application.
- Performed Integration, Functional, Acceptance and Smoke testing of application for each release.
- **Technologies** : Python, Oracle, JIRA, Confluence

Additional Skill Acquisition Program, Govt. of Kerala   Kerala, India   **Program Manager**
Account Management System   **Mar 2017 – Mar 2018**

- Account management System is a web application used for fund allotments within the organization.
- The application has the option for Fund request, Expenditure Analysis and Fund allotment for ASAP.
- Created expenditure reports using Python and SQL Server for upper management.
- Performed the Integration, Functional, Acceptance and Smoke testing for the application.
- Tested the API's for the application using postman.
- Created documentation for project in confluence.
- **Technologies** : Python, Oracle, JIRA, Confluence, Postman

Additional Skill Acquisition Program, Govt. of Kerala   Kerala, India   **Program Manager Trainee**
Training Project   **Jan 2017 – Mar 2017**

- Created a dashboard to track the skill development class progression.
- The dashboard tracked the class details and completion status.
- The project also predicted the tentative dates for the completion of pending classes within a given deadline.
- **Technologies** : Tableau, MySQL

ACADEMIC PROJECTS

Blind Assistive Technology (BAT)

- The proposed system was designed to help the visually impaired people to locate their objects.
- BAT uses camera and OpenCV libraries to detect pre-defined tags that are used to identify objects.
- The System uses sound to convey the position of the tagged objects.
- While in learn mode, the system associates pre-defined tags with objects.
- In search mode the system searches for the tag associated with the entered object.
- **Technologies** : OpenCV, OpenAL, SFML, Microsoft Visual Studio, Linux

Gender Recognition by Voice using Machine Learning Techniques

- Machine learning techniques were applied on acoustic properties of voice to predict the gender.
- Achieved an accuracy of over 97% in predicting the gender using Random Forest Classifier model.
- **Technologies** : Python, Sci-kit, Numpy, Pandas

Energy Efficient Assisted GPS Measurement and Path Reconstruction

- Developed a software to reduce power consumption of wearable GPS and cellular tracker devices.
- GPS history data collected were filtered, clustered and pruned to detect frequently visited locations and crucial locations (for path reconstruction purpose).
- **Technologies** : Python, MATLAB, Linux

EDUCATION/PROFESSIONAL/DEVELOPMENT ACHIEVEMENTS

- Dean's list for 2 semesters in college.