Jaimon Thyparambil Thomas

Curriculum Vitae

'Hard work can out-do genetics'

Education

2018-2020	**Master Of Data Science - GPA - 2.938(out of 4) and WAM - 74.688**, *Monash University*, Caulfield, Melbourne, Victoria, Australia.
2012-2016	**Bachelor of Technology in Computer Science Engineering - CGPA - 8.88(out of 10)**, *Amrita Vishwa Vidyapeetham*, Kollam, kerala, India.
2011	**12th Grade - 75.4**, *Chinmaya Vidyalaya, Pallavur, CBSE Syllabus*, Palakkad,Kerala,India.
2009	**10th Grade - 76**, *Chinmaya Vidyalaya, Pallavur, CBSE Syllabus*, Palakkad, Kerala, India.

Experience

Zoho Corporation

May 2016-June 2018	**Member Technical Staff**, Chennai. Worked as back end software developer for their product - Zoho Expense. My main work in Zoho was to implement new features, fix existing issues, writing unit testcases, data migrations, optimizing the performance of web application by various methods like optimizing SQL queries etc. The technologies that I mostly worked on during this time were by using Java/JavaEE, MySQL, PostgreSQL, XML, YML, Rest API Frameworks, etc.
January 2016-May 2016	**Seasonal Intern**, Chennai. Familiarised with Apache tomcat, Docker, Gradle. Also implemented various features of Zoho Expense using Java, SQL, XMl, YML

Technical Skills

Programming Languages	Python, R, C/C++, java/JavaEE, Shell Scripting, HTML, CSS, Javascript
Framework/ Libraries	Apache Spark, scikit-learn, pandas, mathplotlib, pyspark
DataBase	My SQL, Postgre SQL, Mongo DB
Visualizaton Tools	Tableau, D3.js, Rshiny
Version Control Tool	Git

Awards and Achievements

2020   **Monash University Postgraduate Industry Experience Winner** - Team "Get Set Splash" won the award for the best project for the topic "Reducing Injuries and Deaths around Water by implementing a Full stack web application and interactive android game for age group 6-9

2020   **Monash University Postgraduate Industry Experience** - **Student Vote Winner** - Team " Get Set Splash " won the Student Vote award for the topic "Reducing Injury or Harm" out of 37 teams by implementing a Full stack web application and interactive android game for age group 6-9.

2014   Participated and qualified for the **ACM International Collegiate Programming Contest(ICPC) ASIA Amritapuri Multisite Regionals 2014**; working as a team of 3 members

2013   Participated in **Infosys Aspirations 2020**- A national level coding contest and qualified as one amongst the top 8 teams and became 2nd Runner-up in state level

Projects

Get Set Splash

- As part of Industry experience program in the final semester, I worked in a team of 5 members and implemented a website and interactive android game for reducing injuries and deaths around water for age group 6-9.
- I was responsible for all data handling, wrangling, analysis, visualisation, ideation etc.
- I was in charge of website development using ASP.Net MVC architecture using csharp as back end.
- Data visualisations in the project was done using D3.js under my oversight.
- I was additionally entrusted with the responsibility of managing the team of 5 members.
- Website Link - https://getsetsplash.me/

Zoho

- Expense Report PDF generator - Implemented a PDF generator for Zoho Expense that generates respective reports with desired number of receipts in each page using libraries like Itext, flying saucer and Rest API Framework.
- Implemented and handled various features in Zoho Expense, like itemization, custom fields, multiple advance payments, multiple currency advance payments.
- Played an integral part in implementing GCC and GST tax handling in Zoho Expense.

Suicide Rate Analysis

Implemented a WebApp for interactively analyzing the suicide rates between the period 1985 - 2016. This was used in addition to check the influence of socio-economic factors such as GDP over these suicide rates. Implemented using D3,javascript,HTML,CSS

Reference-"https://github.com/tt-jaimon/Data-Analysis/tree/master/Visualization/Suicide-Rate-Analysis-WebApp"

Friend Space	Implemented a Virtual Slam Book application. Its Front-end was fabricated using Java and back-end using Postgre Sql. Reference - "https://github.com/tt-jaimon/DBMS"
Data Analysis	o Performed various Data Analysis and generated predictions based on Notifiable Infectious Diseases Reports in UK From 2016 - 2018 using python o Conducted various Data Analysis and predictions based on Twitter data using R o Reference - "https://github.com/tt-jaimon/Data-Analysis"
War Zone	Implemented a Combat Simulator game in Python Reference -"https://github.com/tt-jaimon/Python/tree/master/WarZone"
Child Language Analyser	Implemented A Child language analyser for children suffering from SLI and TD Reference -"https://github.com/tt-jaimon/Python/tree/master/Child-Language-Analyser"

Leadership Skills

2019	Volunteered as a Tutor for Postgraduate IT Programming Bootcamp in Monash
2015	Coordinated "Battle of Whiz", a week long intense programming camp, organized by Codechef, for training School students in basic competitive programming
2014	Coordinated DebUtsav'14, a Debian Conference conducted in the college.
2014	Conducted Java workshop as a part of Android 101 Workshop for newbies
2012	Vidyut Tech Fest of Amrita:-Played an integral part in Accommodation Resource Department.
2012 onwards	Active member of the Free and open source software [FOSS] club in college. Mentored various students in learning new software.

Extracurricular Awards and Achievements

Sports	Athletics College and School level winner
Games	2015 - Represented Computer Science Department in the Department wise Football Tournament Tournament

Hobbies

o Cooking
o Photography
o Playing games like Cricket, Football, Badminton, Tennis

References

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   Computer Science Engg. Dept,
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