**ARUN GANESSH K   
| (+91) 978680158 | karunganessh@gmail.com** BD14801_

**CAREER OBJECTIVE**

To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the computing and research field with sheer determination, dedication and hard work.

**CAREER SUMMARY**

Having 1+ years of experience in Developing AR/MR/VR Applications using C, C++, and java language. In addition, having 1years of experience in SAS, Oracle Apex, SQL

**TECHNICAL EXPERTISE**

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| Technology | MR/AR/VR, Android, SAS |
| Tools/Utilities | Unity, Android Studio, Webrtc, SAS, Oracle Apex |
| Languages | C, C++, C#, Java, SQL |

**WORK EXPERIENCE**

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| **Tamilnad Mercantile Bank Limited** | *Sep 2019 till Present* |
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***IT Specialist – SAS/Oracle Apex Web App Development***

* As a IT Specialist I have working & supporting in SAS project and Oracle Apex Projects
* Involved in requirement gathering, development, analysis, system design and also supported for development of Forms and dashboard in asp.net
* Developed 50+ Reports in SAS and forms using Oracle Apex.
* Managed and Designed the ideas for the Forms and Report Creation in SAS and Oracle Apex Projects.

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| **Gridraster India Pvt. Ltd** | *May 2018 to Sept 2019* |

***Software Engineer – AR/MR/VR Developer***

* As a Software Engineer I Implemented Multiuser Support in MRTK and worked in MR platform using webrtc in NASA Project.
* Have also worked in Android (OSVR), Unity, 3DAI Projects. Designed an UI for the VR, Android projects and also involved in analysis, support for the projects
* Involved in research and development of 3DAI project for Charter Communication and AIRBUS.
* Have minimum experience in ML- TensorFlow (Training of Data Sets ).
* Implemented the Visualization of Image target AR using Vuforia for the Renault Project

**PROJECTS - GRIDRASTER INDIA PVT Ltd**

**Project : Implementation Multi User in MRTK - Hololens**

**Company : NASA (The National Aeronautics and Space Administration)**

**Environment : MRTK, Webrtc, Unity**

**Role : Software Engineer (Developer)**

**Responsibilities:**

* Implemented Multiuser Support in MRTK and worked in MR platform using webrtc.
* Involved in Research and development of Spatial mapping and hand tracking of objects in Mixed Reality Development.
* Enhanced the sharing of user in MRTK with Low fps Drop(FPS= 50+)
* Worked and have prior knowledge in Web AR using Mixed Reality.
* Implemented the gaze and hand gesture for the application in immersive headsets (Hololens).

**Project : Android Frame Capture - Stream Data In 8k At High FPS**

**Company : Charter Communications, US**

**Environment : Android (OSVR)**

**Role : Software Engineer (Developer)**

**Responsibilities:**

* Worked in ALVR to stream or play the VR App in the standalone headset without any loss of data and fps.
* Enhanced the application by reducing the loss of fps and upgraded it to stream 8k content VR data to standalone headset without major fps loss(fps <=60).
* Involved in development by Captured the Client and Server Frames at higher resolution and worked in upgradation of the data quality of at fps rate.
* Automated the log capture from both server and client level and Involved in in Research and development of StreamVR Data content in ALVR using Steam.

**Project : Vuforia AR - Image Target**

**Company : Renault**

**Environment : Unity – (Vuforia), 3DAI, Android Augmented Reality**

**Role : Software Engineer (Developer)**

**Responsibilities:**

* Involved in Requirement Gathering, Design and Development of Image based AR aps using Vuforia.
* Enhanced all the existing raw data sets of Renault, Developed and trained the image sets for the mapping of image target.
* Involved in development of app based on vuforia by using the Raw Image Models.
* Prepared Technical Specification Documents based on functional design.

**Project : Support For AirBus Project**

**Company : Airbus Group**

**Environment : Unity, Android Augmented Reality (MRTK)**

**Role : Software Engineer (Developer)**

**Responsibilities:**

* Assisting developer for developing and training of data models in ML (TensorFLow).
* Integrated the Multi User Support feature in addition supported the developer in analysis of models
* Involved in Testing of the application in overlaying of the objects in AR.

**PROJECTS - TAMILNAD MERCANTILE BANK Ltd**

**Project : Implementation of RBI – Reports, Forms, Analytic Dashboards**

**Company : Tamilnad Mercantile Bank Limited**

**Environment : SAS, Oracle Apex,VS2019, sql**

**Role : IT Specialist (Developer)**

**Responsibilities:**

* Implemented and developed Reports in SAS and Forms in Oracle Apex and also have Supported in CRILC RBI Reports Development
* Worked & supported in SAS project and Oracle Apex Projects in the implementation and the development stage of the project.
* Involved in requirement gathering, Development, analysis of the Interactive reports and forms for RBI Returns Submission.

**CERTIFICATIONS**

* MEC (Massively Empowered Classroom) Certificate From Microsoft.inc,For (Computer Networks & Data Structures)
* MVA (Microsoft Virtual Academy) Certificate From Microsoft.inc For (HTMLApp Development Creating Dynamic Web pages using Knockout Date)
* BEC (Business English Certificate) From University of Cambridge
* Python and java Certification from IIT Bombay
* App Development Using Python Certification From FSFTN (Free Software Foundation TamilNadu)

**EDUCATIONAL QUALIFICATION**

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| **Bachelor of Engineering (Computer Science of Engineering)**  Paavai Engineering College, Namakkal – affiliated to Anna University. | **6.9** | [2018] |
| **Higher Secondary - Schooling**  Aknu S Sundar Matric HR School, Madurai, Tamil Nadu | **75** % | [2014] |
| **Secondary - Schooling**  Aknu S Sundar Matric HR School, Madurai, Tamil Nadu | **85** % | [2012] |

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|  | **PERSONAL DETAILS:** |
|  | |  |  | | --- | --- | | Date of Birth | 28-05-1997 | | Nationality | Indian | | Gender | Male | | Marital status | Single | | Languages known | Tamil, English | | Communication Address | 741,BEML 5th Stage, RR Nagar, Bengaluru - 560098 | | Personality Traits | Leadership skills, Self-confidence, Optimism and Hard working. | |
|  | I do hereby declare that the above information is true and correct to the best of my knowledge  BD14801_ **ARUN GANESSH K** |