

Raajanthira Murali Krishnan

SUMMARY

- ◆ 4 years of experience as Software Integration and Architecture Engineer with low and high level development skills.
- ◆ Having two masters in Intelligent System and International Mechatronics.
- ◆ Currently, located in Germany.

SOFTWARE SPECIALIZATION:

- ◆ Middleware Integration – ESB, WMQ and APIC
- ◆ Software Backend – Python, C#, C, Java (Microservice)
- ◆ Data Storage – MySQL, Microsoft SQL, Cloud DB
- ◆ Cloud Technologies – AWS, Azure DevOPS
- ◆ AI Technology – CV, NN, ANN, Tensor Flow, Keras

WORK EXPERIENCE

● Continental Tires Germany GmbH

Machine Intelligence - Student Software Developer

15/05/2022 – 15/11/2022

- DOPAC Quality Analyser, notification of the irregularities in the curing and extruder machine by data analysis on DOPAC reports. (WorkCentre level and parameter level for multiple WorkCentre)

● Tata Consultancy Service

System Integration Engineer for Landmark Group

01/08/2019 – 31/06/2021

- Automating RFID Equipment to automatically scan the in-stock material and promote it to Cloud Server.
- Integrating IOT devices like AC, Fan, Heater and Lighting with Footfall Sensor, Thermal Sensor and Motion Sensors for energy conservation of store. (Landmark Groups implemented our project in United Arab Emirates MAX, Shoemart, Babyshop and Splash Stores. Totally 180 stores are running energy conservation with our IoT system.)

Integration Engineer for Geographical Systems

07/06/2018 – 31/07/2020

- Integration of physical telecom device location with IoT Feasibility Management portal of Liquid Telecom.

• TATA DISQ R & D

Innovator

21/08/2017 – 31/12/2017

- Presented an Idea in National Doctor Conference to continuously monitor patient's diet and health via IoT Devices. TATA DISQ R&D accepted our idea and funded our project which is helping more than 100 Doctors in Maharashtra State Committee to strictly monitor patients.



INTERNSHIP

• Institut für Festkörperphysik, Hannover, Germany

Working Student and Master Thesis

15/02/2022 – 30/11/2022

- Configuration of Lab equipment and proposing architecture for hardware entity. Integrating Lab devices to be controlled via remote control and to process data asynchronously.

• Caterpillar Pvt. Ltd., Tiruvallur, Chennai, India.

Intern (Bachelors Thesis)

11/05/2017 – 10/06/2017

- Observed the difficulties to reduce the tag time in Production line and completed an automation project of rotating a heavy component when moved from one fitting BAY 7 to BAY 8 to reduce tag time.

• Whales Enterprises Pvt. Ltd. Coimbatore, India

Intern

18/07/2016 – 22/07/2016

- Gather knowledge and worked on master copy manufacturing design.

22/12/2015 – 29/12/2015

- Gathered knowledge on Enterprise Resource Planning and ware house management.

• Lighting Technologies Pvt. Ltd., Bangalore, India

Engineer (Intern)

11/04/2016 – 16/04/2016

- Invited to attend a training session on **ISO 14001:2004 & ISO 18001:2007** and **completed the training with A+ Score** at Lighting Technologies, Bangalore, India – 560 105

✂ INDUSTRIAL TOOLS

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|---|-------------------------|
| ➤ IDE editors like VS code, VStudio, Jupiter, Eclipse etc | ➤ IBM MQ Manager V9.1 |
| ➤ Database Tools like MySQL, Mic. SQL, Cloud Instance | ➤ LabVIEW 2011 (Basics) |
| ➤ Project Management Tools like Azure Devops, Jira etc | ➤ Docker 2.5.01 |
| ➤ IBM ACE Toolkit V11.0.0.6 | ➤ MATLab |
| ➤ IBM App Connect V11.0.0.6 | ➤ GIT |
| ➤ Solid Works 2018 | ➤ Postman |
| ➤ Anaconda | ➤ Arduino V1.8 |

EDUCATION

S.No	Course	School/College	University/Board	Year	Score
1	M.Sc. International Mechatronics	Leibniz University, Hannover, Germany	Leibniz University, Hannover, Germany	2021 -2022	1.8/5
2	M.Sc. Intelligent Systems	Peter the Great St. Petersburg Polytechnic University, Russia	Peter the Great St. Petersburg Poly. University, Russia	2020-2021	97.6 %
3	B.E. Mechanical Engineering	Bannari Amman Institute of Technology, Erode, India	Anna University, Chennai	2014-2018	8.1/10
4	HHS (Std. 12 th)	S.K.V Matric. Higher Secondary School, Erode, India	State Board	2012-2014	96.77 %
5	SSC (Std. 10 th)	Infant Jesus Matric. Secondary School. Tirupur	State Board	2011-2012	95 %

CONFERENCES & WORKSHOP

- Presented a paper titled **Environmental Factors Affecting the Efficiency of Custom-Made 3D Printer B3D** in SANSUS' 2016, SNS College of Engineering, Coimbatore, India.
- Presented a paper titled **Rapid Prototyping** in PERSPICACIOUS 2016, Bannari Amman Institute of Technology, Sathyamangalam, India.
- Attended **Virtual Reality and Its Applications Across Industries** conducted by **Dell Design Circle 2019**, Mumbai, India.
- Attended Workshop marathon of 3 days on **Live Coding in AI Systems**, FUTURA 16th, Bannari Amman Institute of Technology, Sathyamangalam, India.

ACHIEVEMENTS

- Won **TCS ILP Kudo's Award** for SPOC of a class of 84 students.
- Won the **National Design Competition, 2016** conducted by **Autodesk, Inc.** for **Designing mechanical components** of Exoskeleton 'Divyaang' a weightless device to aid Specially-Abled person to walk.
- Won the **National Design Competition, 2016** conducted by **Autodesk, Inc.** for **Aesthetics** of Shoe Rendering.

LANGUAGE PROFICIENCY

- English (Expert)
 - C1 Proficiency.
 - From schooling to work official language used is English.
- German (Beginner)
 - Bachelor's program secondary language is German.
- Tamil (Native)
 - Mother Tongue.