

## CURRICULUM VITAE

### SABARISH KUMAR AMARAVADI

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💻 <https://sabarishkumaramaravadi.github.io>

Date of Birth: 15. 08.1993, Male

Marital Status: Single

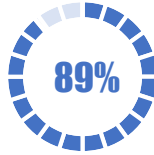
Nationality: Indian



### KEY COMPETENCIES ACCORDING TO MY PERSPECTIVE



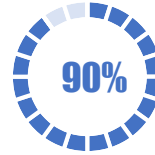
Teamwork (on a scale of 1-5)



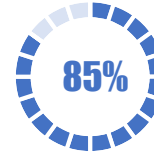
Programming



Analytical Skills



Communication



Time Management

### ACADEMIC PROFILE

2014-Present

#### M.Sc. Electrical Systems Engineering

Universität Paderborn, Paderborn, Germany.

Specialization: **Signals and Information Processing**

**Master's Thesis:** 06.2018 - (Expected Time of completion) 12.2018

- *“Enhancement of real-time object tracking algorithm”*: The aim of this master's thesis is to improve the accuracy of an **object tracking algorithm** by integrating (additional) local image features in a modular fashion. This object tracking algorithm uses a single template for initialization, structural information, and has the real-time capability.

**Project:** [Note:2,3]

- *“A “Data Logger for Pressure Using Raspberry Pi” was developed.* Maximum, Minimum and Standard deviation of Pressure at room temperature was measured over a regular interval of time and stored.

2010-2014

#### B.Tech Electronics and Instrumentation Engineering, **Graduated with Distinction** [78.84%]

Rajeev Gandhi Memorial College of Engg. & Technology, Nandyal, Andhra Pradesh, India.

Specialization: **Automation**

**Project:** [146/150 Marks]

- *“Prevention of Accidents by Eyeblink detection method”*: I and my Team successfully simulated and implemented an **Eye-Blink sensor**. A prototype car was also simulated and implemented using 8051 **Microcontroller** and by integrating the Eye-Blink sensor, an Alarm, and DC-Motors. This Eye-Blink sensor detects the closure of eye and triggers the alarm. If the driver did not wake up to the alarm sound, the prototype car will stop after a certain amount of time.

2008-2010

#### **Intermediate** (Class 11<sup>th</sup> and 12<sup>th</sup>) [95.6%]

Specialization: **Maths, Physic, and Chemistry**

Narayana, Junior College, Hyderabad, Telangana, India.

## TECHNICALS SKILLS

### Programming:

MATLAB, Python > 1 Year 80%

C++ For 3 Months 60%

### Design and Simulation

LabVIEW 2011-2012 70%

### APIs

OpenCV for 4 Months 60%

### Other

MS Office 2011-Present 90%

Windows 2014-Present 70%

Legend: • Competency

C > 2 Years 100%

PLC 2013-2014 60%

Simulink 2011-2012 60%

LaTeX 2017-Present 90%

ubuntu 2017-Present 60%

## CO-CURRICULAR, EXTRACURRICULAR AND SOCIAL ACTIVITIES

- Presented my master's thesis topic in Electrotechnikmesse 2k18 at Universität Paderborn.
- "Canonical correlation analysis of high-dimensional data with very small sample support" Y Song, PJ Schreier, D Ramirez, T Hasija was successfully simulated to improve my **MATLAB** knowledge.
- Member of Student Parliament (2016-2017) at the University of Paderborn. This helped in improving my German language.
- Founder and President of an Initiative called **Indische Studenten Gesellschaft**, University of Paderborn. This initiative is meant to help Indian students culturally and academically.
- Participated and won in the **Inter-Cultural week 2K16, 2K17, and 2K18** at the University of Paderborn.
- Member of Central Commission for Quality Improvement in Teaching and Study (2017-Till now).
- Member of **Paderborn Cricket club** (2016-2017).
- Participated in State-Level and National-Level Technical symposiums at renowned universities in India like Osmania University (Topic: Robotic surgery), and Lakkireddy Ballireddy Engg. College (Topic: Artificial Vision).
- Volunteer in the organization committee of a National-Level Symposium **Ripple 2K13**, held at R.G.M.C.E.T, Nandyal, India.
- Class Representative** for 4 years during my Bachelor studies. Worked as a bridge between students and Faculty.
- Participated and represented my school in ZONAL cricket competitions held at School-Level.
- An active member of **R.G.M.C.E.T, ROAD SAFETY CLUB**.
- Member of **VARADHI** (2016-present), a social welfare organization meant to make a difference by helping financially weak students.

## భాషలు/भाषाएँ/Languages/Sprachen

Languages	Listening	Reading	Writing	Speaking
Telugu (Mother Tongue)	C1	C2	C2	C1
Hindi (Third Language in School)	B2	C1	B1	B1
English (Second language in School)	C1	C2	C1	C1
German	A2	B1	A2	B1

## INTERESSEN UND HOBBYS

