CURRICULUM VITAE

SABARISH KUMAR AMARAVADI

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24 years, 15.08.1993
Male, Single, Indian nationality
📍 **Alois-Fuchs-weg 9/012, 33098 Paderborn, NRW, Deutschland**

ACADEMIC PROFILE

Master Thesis: Edge based object tracking system using structural information
- An extension of real-time object tracking algorithm using local image features and structural information will be developed and implemented on **open CV** platform.

Oct 2014 - Present	**M.Sc, Electrical systems engineering (Electrotechnik)** Specialisation in **Signals and Information Processing,** Universität Paderborn, Paderborn, Germany.

        Projects:
- A Project on "Energy supply structure for Future". A **DATA LOGGER for PRESSURE** is developed using **Raspberry Pi** and the data is stored in SQLite database.

        Technical Paper(s) Implemented:
- "Canonical correlation analysis of high-dimensional data with very small sample support**"** Y Song, PJ Schreier, D Ramírez, T Hasija was successfully simulated using **MATLAB.**
- "Estimating the number of independent components for functional magnetic resonance imaging data" YO Li, T Adalı, VD Calhoun was simulated using **MATLAB.**

        Technical Paper(s) Presented
- "Accuracy - Configurable Adder for Approximate Arithmetic Designs". Andrew B. Kahng and Seokhyeong Kang.
- "A Novel Approach to Incremental Functional Diagnosis for Complex Electronic Boards" Cristiana Bolchini, Luca Cassano Member.

20010 – 2014	**B. Tech** (Electronics and Instrumentation Engineering), Graduated with Distinction **[78.8%] [Grade: 2, 3]** Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh, India.

    Final Year Project: "Prevention of Accidents by Eyeblink detection method". A prototype car is designed and implemented using **8051 Microcontroller** equipped with Infrared sensor, Vibrator and DC motors.

        Technical Papers Presented:
- "**Robotic Surgery**" held at **Osmania University,** Hyderabad, Telangana, India.
- "**Artificial Vision** "held at **Lakkireddy Balireddy College of Engg. and Technology.**
- "**Large Scale Power Generation by using FUEL CELLS**" at **JNTU**, Manathani, Telangana, India.

| 2008 – 2010 | Intermediate, **[Mathematics, Physics, Chemistry]** (Class 11th and 12th) **[95.6 %][Grade: 1, 7]** |
| | Narayana, Junior College, Hyderabad, Telangana, India. |

PROGRAMMING SKILLS

10.2010 - Present	**MATLAB**
10.2010 - 05.2014	**C**, **C++**, Basics of **Java** and VHDL
06.2015 - 08.2015	**Python**

DESIGN AND SIMULATION:

| 2011 - 2012 | Basics of **LabVIEW** and **Simulink** |

OTHERs

2010 - Present	**MS word**, MS PowerPoint
2017 - Present	**LaTex**
2011-Present	**Windows OS**
2014-Present	**Linux**

MILESTONES

- Participated and won in the **Interkulturelle Woche 2k16**, **Interkulturelle Woche 2k17** at the University of Paderborn.
- Member of Student Parliament at the University of Paderborn.
- Founder and President of Indische studenten Gesellschaft, University of Paderborn.
- Member of **Paderborn Cricket club**.
- Member of **Zentrale Kommission zur Qualitätsverbesserung in Lehre und studium** (Commission of center for quality improvement in teaching and study).
- Participated as a volunteer in **"Ripple 2K13"**, a National Level Technical Symposium event in our college.
- An active member of **"R.G.M.C.E.T, ROAD SAFETY CLUB"**.
- **Class Representative** for 4 years in B. Tech.
- Member of **VARADHI**, a social welfare organization meant to make a difference.
- Participated in ZONAL cricket competitions held at School Level.

LANGUAGE(S) KNOWN

Languages known	Listening	Reading	Writing	Speaking
Telugu (Mother Tongue)	C2	C2	C2	B2
Hindi	B2	C1	B2	B2
English	C1	C1	C1	C1
German	A2	A2	A2	B1

Hobbies:

Cricket, Cooking, Novels, Short films, Poetry, Story writing.

Paderborn, 07. 04. 2018   (Sabarish Kumar Amaravadi)