

RESUME



ROHIT KANTIKAR

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Objective

Seeking a technical position at your company with an overall goal to adapt quickly, learn new technologies, take on different challenges, contribute back to the community and hence make a big impact.

Education

Master of Engineering in Microwave - 2018 Pune Institute of Computer Technology, Pune	August 2016-August 2018 7.88 CGPA
Bachelor of Engineering in Electronics and Communications PESIT South Campus, Bangalore	August 2012 -July 2016 65.54%
High School Alva's Pre-University of College, Moodbidre	June 2010 -March 2012 85.83%
Secondary School Sri Satya Sai Loka Seva High School, Alike	March 2010 92%

Academic Interests

- RF and Microwave, Antenna Design, FPGA Design
- Machine Learning, Cognitive Radio, Computer Networks

Technical Skills

Experience and working knowledge in the following

Programming Languages	: C, C++, MATLAB
Operating Systems	: Linux, Windows
VLSI Programming Languages	: VHDL, Verilog
Machine Learning Techniques	: Fuzzy Logic, Neuro-fuzzy, Neural Network
Microwave Tools	: Applied Wave Research, High-frequency Structure Simulator
Other Tools	: Solid edge

- Projects**
1. **Cooperative Spectrum Sensing Using Machine Learning Techniques** August 2017- July 2018
 - For efficient utilization of frequency bands, we go for spectrum sensing. Cooperative spectrum sensing used to solve fading, shadowing, and hidden node problems using Machine learning in sensing increases accuracy, performance improves Spectrum Utilization.

Tool Used: Matrix Laboratory (MATLAB) 2016a for 12 months
 2. **Fast Architecture of building MAC unit of DSP processor using Vedic math** Jan 2016-July 2016
 - The aim is to employ calculation techniques from Vedic Mathematics in order to reduce execution time, area and power in Digital Signal Processing by implementing an appropriate MAC unit using a modular approach.

Tool Used: Xilinx 13.1 Spartan 3A with Verilog Language for 6 months
 3. **Password-based door lock system using 8051 microcontroller** October 2015
 - In this project, the 4×3 keypad is used to enter the password. The password which is entered is compared with the predefined password. If the entered password is correct then the system opens the door by rotating door motor and displays the status of the door on LCD. If the password is wrong then the door remains closed.
 4. **Measure heartbeat and temperature of environment** March 2014
 - The main objective of this project was to measure the heartbeat of the human body using a sensor which is made by ICs and LEDs especially which work on an Arduino kit. Also, measure environment temperature.

**curricular
Activities**

Workshops

- National Workshop on **Software Defined Radio with LABVIEW** and NI USRP.
- Hand on **Electronic Circuit Design** Workshop.
- Introductory workshop on the **Internet of things (IoT)**.

Regular course/seminars attendee

- Certificate Course on Applied Wave Research Software.
- Seminar on Technical Paper Writing.
- Seminar on Personality Development and Soft skills.

List of Publications

- Rohit Kantikar and Prof. R. G. Yelalwar, "Cooperative Spectrum Sensing Using Machine Learning Techniques-Fuzzy Logic", *e-PG project exhibition*, DY Patil College of Engineering, June 2018
- R. B. Kantikar, R.G. Yelalwar "Cooperative Spectrum Sensing Scheme Using Fuzzy Logic," *International Journal for Scientific Research & Development (IJSRD)*, Volume 6, Issue 8, in October 2018.

Industrial Exposure

- Industrial visit at Idea Cellular Limited Pune.
- Visited Krishna Sugar Factory Sankonatti.

Community Service

- Volunteer of Free Medical Camp held in Mangalore.
- As an animal rights activist created awareness regarding animal cruelty issue in Pune.

**Awards and
Recognitions****Competitions**

- Accomplished in Technical Competitions held in College.
- Represented School in District level elocution Competition.

Other

- Successfully finished INDIAN Mythological exams and “DAKSHINA BHARATHI HINDI PRACHAR” exams conducted by the government.
- Secured BRONZE medal in international science exam in school.

Hobbies

Dancing, Reading, Hiking, Clay Modeling, Swimming

Languages

Read/Write: - in English, Hindi, Kannada, and Marathi.

I hereby declare that the information provided here by me is true to the best of my knowledge and belief.

Date:

Place: Bangalore

Rohit Kantikar