

Balaji Shivaji Sawant

B. Tech (E&TC), M.TECH (E&TC).

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GitHub:- <https://github.com/BalajiS108>

Career Objective

I would like to contribute significantly to highly challenging projects, work with an inspiring team and grow in a reputed organization. I am willing to work as a key player in challenging and creative environment to gain an outstanding career to move ahead through dedicated efforts and performance regularity.

Academic Profile

Examination	University/Board	CGPA/Percentage	Year of passing
M. Tech EXTC Engg.	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad.	8.70	August 2015
B. Tech EXTC Engg.	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad.	7.53	June 2012
H.S.C.	CBSE	80.4%	Mar 2007
S.S.C.	CBSE	80%	Mar 2005

Software Language Proficiency

- ❖ As a Front End Engineer have a proficiency in UI designs using HTML, CSS, Javascript.
- ❖ Having the basic to advanced Data structure & Algorithm knowledge of Python.
- ❖ Having Basic knowledge of C & basic to OOPs knowledge of the C++.
- ❖ Having Good Knowledge of other domain industrial languages such as MATLAB, Codesys, Simatic Manager, TIA Portal, Studio 5000 etc.

Software Project / Other Exposure

❖ Zomato UI Design:-

- Designed a responsive Zomato UI Clone using HTML, CSS, Javascript.
- Implemented functionalities like:-
 - Design of a slider to show more images.
 - Clicking on food card leads to the other page showing the further details.
 - Rendered all the food cards from the Javascript using JSON file.
- Github Link:- <https://balajis108.github.io/Food-App-Zomato-01/>

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❖ **Hotel Management: -**

- Small project designed using C++.
- Implemented functionalities like:-
 - Maintaining the available food items, sold food items, remaining food item count after the current order.
 - Printing the cost for the order as per the food items ordered.
- GitHub Link:- <https://github.com/BalajiS108/Hotel-Management>

Industrial Exposure

- ❖ Worked as Technical Support Engineer along with handling training activities in Turck India Automation Pvt. Ltd.(Dec 2018 – Jan 2023)

Academic Career Exposure

- ❖ Worked as **assistant professor** in Department of Electronics & Telecommunication Engineering at “**Mahatma Gandhi Mission’s College of Engineering, Nanded**” from August 2015 to Mar 2017. (~2 Years)
- ❖ Worked as **Faculty** at **Sandipani Coaching Institute, Ahmednagar** from June 2018 to Nov 2018 (~6 Months)
- ❖ Worked as **assistant faculty** while doing M. Tech at **Dr. Babasaheb Ambedkar Technological University, Lonere.**(~1 Year)

Awards and Achievements

- ❖ **GATE Qualified** in 2013 GATE Examinations.
- ❖ Selected for state level sport meets in Kho-Kho competition.

Publications

International Conferences	01
International Journals	01

International Journal

1. Balaji S.S , Sanjay L. N and Swarali S, “*Design of Digital FIR Non-Uniform Reconfigurable Filter Bank for Hearing Impairments*”, International Journal of Industrial Electronics and Electrical Engineering, Volume-3, Issue7, July-2015.

International Conference

1. Balaji S Sawant, “*Design of Digital FIR Non-Uniform Reconfigurable Filter Bank for Hearing Impairments*”, International Conference on Electrical, Electronics and Computer Engineering (ICEECE) held at Tirupati on 7th June 2015.

Courses/Workshops/Training Programs Completed:

Sr. No.	Courses/Workshops/Training Programs
1	Course on Python Learning is completed from 3RI Technologies, Pune.
2	Completed Course on C and C++ from Naresh IT, Hyderabad.
3	Participated in a Two- week ISTE Training Program on “Engineering Physics “conducted by IIT Bombay from Dec 8- 18, 2015.
4	Participated in MHRD-TEQIP workshop on “Application of Signal & Systems” conducted by IIT Bombay on Nov 2, 2014.
5	Participated in a Two week ISTE workshop on “CMOS, Mixed Signal and Radio Frequency VLSI Design” conducted by IIT Kharagpur from 30 th Jan to 4 th Feb. 2017.
6	Participated in One week Training Program on “ Aspects of MATLAB Tools in Communication, Control and Signal Processing with Simulink” conducted by MGM’s JNEC Aurangabad.
7	Participated in one day workshop on PCB Design conducted by COEP, Pune

Strengths and Skills

- ❖ Reliable and Ethical Team member and an enthusiastic learner with ability to adapt according to project dynamics and adhere to its objective.
- ❖ Good interpersonal communication skills and meticulous executor with attention to details and rigorous coordination.

Ongoing learning:

- ❖ Advanced Javascript, React JS

B. Tech. Project

Title : “Satellite Image Enhancement by Discrete Wavelength Transform (DWT) , using MATLAB code.”

M.E. Project

Title : “Design Of Digital FIR Non Uniform Reconfigurable Filter bank For Hearing Aids using MATLAB code.”

Industrial Automation Projects

- 1) **Project Name:-** Measuring Blockage in the pipeline using vibration & temp. sensor in Rockwell Environment at HUL Haldia, West Bengal.
Platform:- Studio 5000.
Role:- Programming
- 2) **Project Name:-** PICK TO LIGHT for assembly line using Profinet Environment at ZF India Pune.
Platform:- TIA Portal
Role :- Commissioning

- 3) **Project Name:-** Pipe Cutting Application using measuring pulses of Encoder in FlexiSoft environment at Kriti Industries India Limited, Indore
Platform:- Flexisoft Software
Role:- Programming & Commissioning.
- 4) **Project Name:-** Skid Identification using RFID in Rockwell Environment at Mahindra & Mahindra, Pune.
Platform:- Studio 5000.
Role:- Programming & Commissioning.
- 5) **Project Name:-** Person Identification using RFID in Codesys Environment at Baumer India, Pune
Platform:- Codesys V3.5
Role:- Programming & Commissioning.

Co-Curricular Activities

- ❖ Participated in State Level Technical Symposium under ROBORACE competition held at Malegaon on 4th & 5th March 2010.
- ❖ Participated in State Level Technical Symposium under Paper Presentation competition held at Malegaon on 4th & 5th March 2010.
- ❖ Participated in National Level Cyber Olympiad.

Extra-Curricular Activities

- ❖ Achieved NCC 'A' & 'B' Certificates.
- ❖ Won many school level Kho-Kho, Kabbadi competitions.
- ❖ Played a role of active member of BACE & VOICE.

Personal Profile

Name	:	Mr. Balaji Shivaji Sawant
Date of Birth	:	21 April 1990
Nationality	:	Indian
Languages Known	:	English, Marathi and Hindi
Marital Status	:	Married
Hobbies	:	Reading books, listening music.

Declaration

I hereby declare that all the details furnished here are true according to the best of my knowledge.

Balaji S. Sawant