

# RIVUKANTA BHATTACHARYA

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Katwa, West Bengal, India | 07 December 1997  
ADDRESS: NIT Warangal, Telengana, India  
PHONE: +91 8116018036  
EMAIL: [brivukanta@student.nitw.ac.in](mailto:brivukanta@student.nitw.ac.in)  
GITHUB: <https://github.com/brivu7972>  
LINKEDIN: <https://www.linkedin.com/in/rivukanta-b-7b6242104/>

## EDUCATION

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ONGOING 3<sup>rd</sup> year B.Tech in ELECTRONICS AND COMMUNICATION ENGINEERING  
**National Institute of Technology, Warangal, India**  
CGPA: 8.33/10

MAY 2015 Higher Secondary Degree in SCIENCE  
**Ramakrishna Mission Vidyalaya, Narendrapur, Kolkata**  
West Bengal Council of Higher Secondary Education(WBCHSE)  
PERCENTAGE: 97.2/100

JUNE 2013 Secondary Degree in SCIENCE  
**Ramakrishna Mission Vidyalaya, Narendrapur, Kolkata**  
West Bengal Board of Secondary Education(WBBSE)  
PERCENTAGE: 94.6/100

## RELEVANT COURSES

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ONGOING Linear Integrated Circuits and Applications (EC303)  
Computer Architecture and Organization (EC305)

COMPLETED Digital System Design (EC203 and EC253)  
Electronic Devices and Circuits (EC201 and EC251)  
Signals and Systems (EC204)

## PROJECT WORKS

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*Mar-Apr 2017* | **Cyclic Redundancy Checker**  
Cyclic redundancy check is a error detecting and correcting process often used in data transitions from storage devices such as hard drives or pendrives etc. The corresponding VHDL code is simulated and implemented on Spartan3E board.  
<https://github.com/brivu7972/Cyclic-Redundancy-Checker-Generator>

*Dec 2016* | **Line follower**  
A line follower is successfully built using arduino uno and various sensors (infrared, ultrasonic) which can follow any given path of same colour.

*Nov 2016* | **To measure Li-ion cell capacity with an Arduino**  
Using Arduino Uno microcontroller and useful circuitry with a Li-ion battery, the available charge in it and how much time it needs to get completely discharged is found out and the results are printed in a LCD display.

## ACADEMIC ACHIEVEMENTS

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- AIR 1645 in JEE Mains (2015), State rank 605 in WBJEE (2015)
- Mamraj Agarwal Rastriya Puraskar and felicitation from Government of West Bengal for securing 5<sup>th</sup> rank in state in Higher Secondary Examination (2015)
- Certificate from IAPT for having been placed among the top 10% in National Standard Examination in Physics (NSEP 2014-15) from our school
- Certificate from IAPT for having been placed among the top 10% in National Standard Examination in Chemistry (NSEC 2014-15) from our school

## LANGUAGES

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ENGLISH :   Fluent  
BENGALI :   Mothertongue  
HINDI :     Basic Knowledge

## SKILLS AND ABILITIES

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Basic Knowledge:   MATLAB, OpenCV, HTML, Visual Studio, Python, LaTeX  
Intermediate Knowledge:   Arduino, Cadence Pspice, Vivado, Xilinx ISE, C++, MS Office

## INTERESTS AND ACTIVITIES

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- Open-source technology enthusiast
- Play football and table-tennis
- Like to sketch in leisure times
- Fond of travelling and nature photography

## DECLARATION

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I do hereby declare that all the above-mentioned details are true to my knowledge.

**Rivukanta Bhattacharya**