



Educations

2016-Present

Institut Teknologi Bandung (ITB), Bandung, Indonesia

Telecommunications Engineering Undergraduate, School of Electrical Engineering and Informatics

3rd Year, GPA 3.75 out of 4.0

2014-2016

Madrasah Aliyah Negeri 2 Kota Malang, Malang, Indonesia

Accelerated Class, Top 3 student.

Experiences

Feb 2019- June 2019

Erasmus+ Student Exchange Programme, Warsaw University of Technology

Exchange Student- Warsaw, Poland

- **Erasmus+** is a student exchange program which aims to boost skills and employability.
- Nominated by International Relation Office ITB

Feb 2018- Present

Telecommunications Engineering Student Union (IMT-ITB)

Bengkel Radio staff- Bandung, Indonesia

- Creating projects related to telecommunications
- Giving training about IoT to IMT member
- Creating project documentation

Sep 2018- Present

Rebana Student Association of Institut Teknologi Bandung

Head of Media and Communication- Bandung, Indonesia

- Announcing the activities of URI-ITB and posting the announcement via social media.
- Organizing my staff, arranging schedule, and dividing the jobs to make the job easier.
- Made the member more enthusiast to join URI-ITB event.

Nov 2018

Maulid Nabi Institut Teknologi Bandung

Head of Publication and Documentation- Bandung, Indonesia

- Maulid Nabi ITB is annual event held by office of the rectorate and URI-ITB.
- Organizing my staff, arranging schedule, and dividing the jobs to make the job easier.
- Making announcement so that people know the event

Sept 2017

Telemotion Event

Logistic team- Bandung, Indonesia

- Telemotion is annual IoT Competition, expo and talkshow held by Telecommunications Engineering Student Union ITB.
- My team prepared all stuff needed for the event

Feb 2017

Mata Air Foundation (www.mataair.or.id)

Volunteer Teacher- Bandung, Indonesia

- Mata Air Foundation is a Non-Profit Organization founded by KH. Ahmad Mustofa Bisri that care on humanity as Prophet Muhammad taught to his follower.
- I was a volunteer teacher in BPUN program which is the main program of Mata Air Foundation that gives preparation to High School student to prepare university admission

Trainings

Apr 2018

ITB Leadership Training

Participant- Bandung, Indonesia

- LKM-ITB is a program held by Department of Student Affairs ITB that aims to make ITB student care about society in their surroundings.
- Through this program, the participant was required to make direct impact to society.

Jan 2018

Engineering Development, Motivation, and Awareness Training in University of Malaya

Participant- Kuala Lumpur, Malaysia

- Training and team-based competition held by engineering student union of University of Malaya that aims to increase leadership, teamwork, and solve real-world engineering problems.
- The concept of the competition is to make a company simulation to solve engineering problem. I acted as Finance Manager.
- Our team presented "Next Generation Smart Parking". We got the best performer achievement.

Jan 2018

International Exchange of Young Business Leader

Participant- Singapore

- The program held by AFSEC Indonesia (www.afsec.education) which aimed to develop leadership skill in business.
- The program consists of seminar from NUS Business Professor and Entrepreneur, Market Research, and business plan competition.

Competitions & Awards

Best Performer	Engineering Development, Motivation, and Awareness Training University of Malaya. Our team created solution to the parking system by designing new concept of smart parking system.	2018
3 rd Winner	National Science and Basic Dentistry Olympiad- Airlangga University, Surabaya, Indonesia.	2016
Semifinalist	National Science and Basic Pharmacy Olympiad- Airlangga University, Surabaya, Indonesia.	2016
3 rd Winner	National Science Olympiad (Physics Senior High School) Regency Level- Ministry of Education of Indonesia. I joined Senior High School physics olympiad when I was still In Junior High School.	2014
1 st Winner	National Science Olympiad (Physics Junior High School) Regency Level- Ministry of Education of Indonesia.	2013
1 st Winner	Graphic Design Competition Province Level- Senior High School 1 Trenggalek, Indonesia.	2012

Achievements

Scholarship	Granted scholarship "Erasmus+" for monthly expenses, tuition fees, and travel cost from European Union for 4 months 20 days	2019
Scholarship	Granted scholarship "Beasiswa Unggulan" for monthly expenses and tuition fees from Ministry of Education of Indonesia for 4 years.	2017

Projects

DSK TMS320C6713	Implementing simple Audio Encoding and Decoding System using DSK TMS320C6713 https://bariqfirmansyah.github.io/barsuff/files/AudioEncoding&Decoding.pdf	2018
Raspberry Pi	Designing Raspberry Pi Boat that can stream and monitor lake condition real-time using Webiopi and MJPG Streamer.	2018
NodeMCU	Designing Plant Monitoring and Notification System using NodeMCU, sensors, and Blynk IoT Platform.	2017

Skills

DevBoard

Worked in projects using **Raspberry Pi, Arduino, NodeMCU** and **DSK TMS320C6713**

Programming

Signal processing simulation using **GNU-Octave**
Worked in projects using **Arduino IDE, C, Python**

Language

English, with TOEFL ITP's score at 563 out of 677

All the information mentioned in the resume are correct to the best of my knowledge and believe.

(updated on Dec 30, 2018)