P. Rajkumar

Student

Embedded and Electronics Aspiring Student

p.rajkumar@st.niituniversity.in +917737402037

Education

08/2014 - 08/2018 *5.18%*

Electrical and Communication Engineering
NIIT university

Courses

- Digital Image processing
- Microwave and antenna theory
- Power electronics
- Advanced Embedded systems
- Wireless communications
- Coding theory

05/2013 - 05/2014 *82%*

12th (SENIOR SECONDARY EXAMINATION)
Tamilnadu State board

05/2012 - 06/2012 *87%*

10th (SECONDARY EXAMINATION)
Tamilnadu State board

Certificate

11/2014 - 11/2014

Web development using Bootstrap
IIT - Delhi
Website Development using HTML , CSS in Bootstrap

09/2016 - 12/2016

2G/3G model and training
Telecoma
Cell and Circuit Switching used in 2G/3G communication

03/2015 - 03/2015

Mobile application using Azure
Microsoft
Implementation and use of Azure in Mobile and IOT devices

08/2015 - 08/2015

Java programming
Microsoft Virtual Academy
Fundamentals in OOPS and basics in Java programing

04/2016 - 04/2016

Fundamentals in Python
Pluralsight
Basic Knowledge in Python coding and Raspberry PI coding in Python

Work experience

NIITUniversity (08/2016 - 09/2016)
Teaching (Arduino and SOC with modules)

Microsoft (02/2015 - Present)
Microsoft Student Partner

Skills & Competences

- C Programming
- C++ Programming
- Assembly
- HTML & CSS
- VHDL
- Matlab(Image/Signal processing)

Personal Projects

RFID based Security system (02/2015 - 05/2015)
- Arduino based RFID system that powers a analog security system

RFID - GPRS Nondriver vehicular system (01/2017 - Present)
- ARM powered RFID and GPRS system that communicates with manual Transmission car which indicates car to take turns and when to stop

Network coding using Socket programming (09/2016 - 12/2016)
- The objective was to create a communication between two computers using socket programming

Vehicular Adhoc system (06/2016 - 09/2016)
- Traffic Congestion and Estimated time of Arrival calculation using Interconnected Adhoc transport

Hardware realization of Digital Equalizer (01/2017 - Present)
- Implementation of Analog - Parallel equalizer using Digital Signal processing tools and kits

Achievements

State level Hindu (Young world) Quiz winner (2012)

District level Volleyball Runner up (2013)

Vice-president in NU-Microsoft Innovation Center (11/2016 - Present)

Languages

- Tamil
- English
- Malayalam
- Telugu
- Hindi

Interests

Short film Writting | Circket | Table tennis | Gaming | Chess