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# Vijay Kumar Banerjee

## Opensource Developer

India

Email : [vijaykumar9597@gmail.com](mailto:vijaykumar9597@gmail.com)

Github : <https://goo.gl/2rjRPU>

## EDUCATION

### **Bachelor of Technology in Computer Science and Engineering -**

*Maulana Abul Kalam Azad University of Technology*

AUG 2016 - AUG 2020

#### **Key Courses :**

- Design and analysis of Algorithm
- Microprocessors and Microcontrollers
- Computer organisation and Computer Architecture.
- Engineering Mathematics.

### **High School - Central Board of Secondary Education.**

MAR 2002 - MAR 2015

#### **Key courses:**

- Introduction to computer science with C++
- Physics with introduction to quantum mechanics.
- Mathematics with Calculus and Trigonometry.
- English Communicative.

## EXPERIENCE

### **RTEMS Project Mentor - Google Code-in 2018 program**

OCT 2018 - Dec 2018

- Mentoring High School students to help them get familiar with opensource tools so that they can get started contributing to open source projects.

### **Student Software developer - RTEMS Project under Google**

*Summer of Code program*

APR 2018 - AUG 2018

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- Developed a python script for the RTEMS tester framework that generates HTML coverage analysis report of the whole RTEMS testsuite using a tool called 'covoar' which generates coverage data of a testsuite without instrumentation of the code.
  - Developed a Gcov dump tool that dumps the contents of a gcno file ( a type of file generated by GNU GCOV for coverage analysis) into human readable text format.
  - Carried out study on GCOV integration in a Real Time Operating system in Embedded environments, to generate code coverage without the need for instrumentation of the code.

**Wordpress Developer.** - *11wins.com, a unit of ReadyToGo pvt. Ltd.*

Nov 2017 - Jan 2018

- Designed a Responsive Wordpress site for publishing of news related to fashion and technology.
- Integrated RSS feed for daily user engagement.
- SEO using google analytics.
- Site optimization using the Google PageSpeed Insights and implementation of browser caching.

## SKILLS

**Languages :** C++, Python, C, Java, JavaScript, Assembly Language.

**Operating System :** Linux (fedora or RHEL preferred )

**Debugging :** GDB, LLDB, Valgrind.

**Version Control :** Git and GitHub.

## Hobby activities.

- Music enthusiast - seasoned Tabla player with a Bachelor degree in Music.
- District Level debate champion and State level 2nd while in high school.
- Two times participant in National Science Congress for presentation on energy conservation.