**Rajarshi Chattopadhyay**

*Email:* [likarajo@gmail.com](mailto:likarajo@gmail.com) ▪ *Phone:* +91 943 371 1109

*Address:* F-13, Cluster-14, Purbachal, Sector III, Saltlake, Kolkata, West Bengal, India 700097

*Website:* <https://likarajo.github.io>

*Badges*:[https://www.youracclaim.com/user/likarajo](https://www.youracclaim.com/user/likarajo/)

|  |  |  |
| --- | --- | --- |
| **CURRENT POSITION** | **System Engineer**, **IBM - Client Innovation Center**,Kolkata, India  *Data Analysis, Application Development and Maintenance, Automation* | Dec 2014 to Present |
| **EDUCATION** | **Bachelor of Technology in Electronics and Communication Engineering, West Bengal University of Technology**, Kolkata, India  Incl. Course: Electrical Engineering, Computer Science, Mathematics, Physics  Thesis: RISC processor based on Harvard Architecture | Jun 2014 |
| **work EXPERIENCE** | **Programmer, Hi-Q Solutions**, Kolkata, India  Part-time  *System Programming and Designing*  **Associate Engineer, Bharat Sanchar Nigam Ltd**, Kolkata, India  Intern  *Network Designing*  **Associate Engineer, Siemens – Metal technologies**, Kolkata, India  Intern  *Automation* | Aug 2012 to Dec 2013  Mar 2013 to May 2013  Dec 2012 to Feb 2013 |
| **RELEVANT SKILLS** | *Database*: RDBMS, HDFS  *Programming*: SQL, OOP, Java, Python, UNIX Shell Scripting  *Frameworks*: Spring, MVC, Hadoop  *Operating Systems*: Windows, Linux  All MS Office programs |  |
| **relevant Certifications** | **Oracle Certified Associate – Java SE 8 Programmer, Oracle**  **Hadoop Programming, IBM**  **Hadoop Foundations, IBM**  **Big Data Foundations, IBM**  **Design Thinking, IBM**  **Oracle Database 11g SQL Fundamentals, Oracle** | Jun2017  Mar 2017  Mar 2017  Feb 2017  Nov 2016  Sep 2016 |
| **TALKS** | **Speaker**, presentation on **RISC Processors and Harvard Architecture** in National Seminar on ‘*Advanced Microprocessor and VLSI Devices*’ organized at college.  **Speaker**, presentation on **Wireless and Cellular Communications** in *Industry based Educational Program* organized at college. | Apr 2014  Jul 2012 |
| **RESEARCH AND PROJECTS** | **Kin’ship Tool**  Desc: Used Twitter data mining and developed algorithm to find out the most related words (kin) to a particular word as used in tweets.  **Automation of Routine Application Monitoring and Maintenance**  IBM, Kolkata, India  Desc: Developed routine application monitoring and maintenance jobs and set up the same in Cron to automate running and reporting.  **Application-Interface Message Statistics Tool**  IBM, Kolkata, India  Desc: Developed Bash shell Script, Windows GUI, and Web Application to mine application logs and extract data to calculate statistics of application – interface message exchange.  **RISC Processor based on Harvard Architecture**  Senior Thesis  Desc: Designed, developed and implemented a 16-bit customized Reduced Instruction Set Processor based on Harvard Architecture  **Bootable Microcontroller (8051) panel with optional ROM**  Hi-Q Solutions, Kolkata, India  Desc: Designed and developed a microcontroller panel which can be used to directly program a microcontroller, without the need to write and burn the monitor program on a ROM  \*Owner of the intellectual property of the prototype.  **College Network**  Bharat Sanchar Nigam Ltd, Kolkata, India  Designed college network using a pre-defined pool of IP address and implemented using NetSim (Network Simulator)  **Automatic Motor Controller**  Hi-Q Solutions, Kolkata, India  Used Assembly language programming and digital designing to develop a controller attached to sensors to detect fluid level and accordingly switch | Jul 2017  2016  Nov 2015  Apr 2014  Jul 2013  May 2013  Sep 2012 |
| **RELEVANT HONORS** | **Emerging Techie** Award, **A.P. Moller Maersk Diamond Awards**, **IBM**  **12th out of 140** students in the ECE department (in Bachelor’s)  **8 semesters: 86.6%**  **2nd in Technical Paper Contest** organized by the **Institution of Electronics and Telecommunication Engineers (IETE) India** for thesis.  **1st in assessment examination** of **Vocational Training on Communication System software**, conducted by **Bharat Sanchar Nigam Limited**, Kolkata, India | 2016  Jun 2014  Apr 2013  Jul 2012 |