

# CURRICULUM VITAE

## ARITRA RUDRA

Software Developer

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### Objective

To build a career with a leading corporate in a hi-tech environment with dedicated people, which will help me to innovate , improvise and explore myself fully and realize my potential.

### Educational Profile

Examination/ Courses	Board/ University	School/ College	Year of Passing	CGPA/Percentages Obtained
M.TECH. in Computer Science and Engineering	National Institute of Technology, Durgapur (N.I.T.)	National Institute of Technology, Durgapur	2015	9.01 (on a scale of 10.00)
B.TECH. in Computer Science and Engineering	West Bengal University of Technology (W.B.U.T.)	Government College of Engineering and Ceramic Technology	2013	8.32 (on a scale of 10.00)
Higher Secondary Examination	West Bengal Council Of Higher Secondary Education	Hare School	2009	84.25 % (best four subjects)
Secondary Examination	West Bengal Board Of Secondary Education	Hare School	2007	84 %

### Software Skills and Hands On Experience

Software : Microsoft Office (Word, Excel, PowerPoint), Adobe Photoshop, LaTeX.  
Programming: JAVA (Core J2SE and basic J2EE), MATLAB, JSP, C.  
Platforms : Windows XP, Windows 7, Ubuntu, Solaris, Fedora, Red Hat Linux 9.0.  
Hardware : Components and peripherals of a PC, communication and interconnections between them.

### Project Experiences

#### Professional Projects

Tata Consultancy Services Pvt. Ltd Projects (Oct 2015 – Present ) :

- OSSRC : Proprietary product ( by Ericsson ) to manage telecommunication business.  
Involves communication establishment and management of one (or more) telecom application(s) to other telecom application(s) and/or Nodes (such as CPP, STN nodes).  
Technology : JAVA, Servlets, RMI, CORBA, MySQL, Glassfish V2 and V3, JBoss Wildfly, various third party libraries. Solaris 10 and 11.  
Responsibilities:  
Performing high & low level design analysis and implementation.  
Providing prototypes, implementing and suggesting various feasible solutions.  
Involved writing applications using Java and Shell scripting.  
Involved writing JUnit test cases and TAF test cases for the application components.  
Involved resolving issues related to migration and upgrade for both OS and node.  
Involved resolving performance issues.  
Solving customer issues remotely on live systems etc.
- Grooming App ( ILP Innovation ) : A dynamic online website with automatic default desktop domain login, dynamic report generation.  
Technology : JAVA, Servlets, JSP, JavaScript, HTML, CSS, Bootstrap, Oracle 10G, Apache Tomcat web server, Log4J, slf4j.

- Shop4Ever : A dynamic online shopping website with different login, payment options, dynamic statistical report and graph chart generation.  
Technology : JAVA, Servlets, JSP, JavaScript, HTML, CSS, Oracle 10G, Apache Tomcat web server, Google Maps API, jFreeChart API, Apache POI API, iTextpdf API.

## Academic Projects

### M.Tech. Projects:

- A selective energy and delay optimization in critical nodes towards route selection.  
Description : Constraints imposed locally against overall uniformity for resource critical nodes and its performance analysis with statistical data.  
Environment : JAVA and MATLAB.
- A trade-off Analysis of Quality of Service (QoS) Metrics towards Routing in Mobile Networks: MOGA based Approach  
Description : Optimization using distribution according to hop count and transmission factor and its analysis.  
Environment : JAVA and MATLAB.
- A preferential energy and time optimization towards route selection in mobile networks using single and multi-objective optimization approach  
Description : Optimization using a tuning factor according to situation and analysis with preference factor.  
Environment : JAVA and MATLAB.
- Scheduling based approach towards handoff direction analysis in Mobile Networks  
Description : Significance of direction in handoff and its analysis from scheduling perspective.  
Environment : JAVA and MATLAB

### B.Tech. Project:

- Online Video Conference (along with Text and Voice Chat) using Call Admission Control(CAC)  
Description : Graduation Project for 4<sup>th</sup> year, interface for text , voice and video chat with user login and password (Client-Server model) or signup for new user.  
Environment : JAVA, MySQL database; for Windows & Linux.  
Worked as Team Leader.

### Practical Training Project

- Online Examination System  
Description : Client-Server model, MCQ type questions, login/register, choose exam type (easy, hard) and subject, instantaneous evaluation, view previous results.  
Environment : JAVA, MySQL database. Strict User Session Control present ; OS independent.  
Worked as Team Leader  
Awarded Best Project and Dream Team Award

## Publications

1. **Rudra A.**, Thakurta P.K.G. ( 2015) : " A new neighborhood connectivity based clustering approach for energy reduction in mobile networks", *Michael Faraday IET International Summit 2015*, Page(s):455 – 458.  
<http://ieeexplore.ieee.org/document/7513299/>
2. **Rudra A.**, Thakurta P.K.G., Poddar R. (2015) : "A Trade-off Analysis of Quality of Service (QoS) Metrics Towards Routing in Mobile Networks: MOGA Based Approach", *Proceedings of Second International Conference INDIA 2015*, Vol. 1, *Advances in Intelligent Systems and Computing*, Vol. 339 ,2015, pp. 135-144.  
[http://link.springer.com/chapter/10.1007%2F978-81-322-2250-7\\_14](http://link.springer.com/chapter/10.1007%2F978-81-322-2250-7_14)
3. Roy K., **Rudra A.** (2014) : "An Approach to Develop a new Software (FACEUP) for Video Conferencing Call Using Internet Technology", *International Journal of Mobile Communication Networking*, Vol. 5, Number 1 (2014), pp. 1-8.

### ***Subject Preference***

- Operating Systems.
- Network and Communications.
- Data Structure.

### ***Personal Information***

Father :	Swapan Kumar Rudra	Mother :	Chaitali Rudra
Current Address :	13B/3, Samar Sarani Kolkata – 700 050	Permanent Address :	26/8, Dum Dum Road Kolkata – 700 002
Mobile Phone Number :	(+91) 94337 45216	Date of Birth :	16th , March 1991
Telephone Number :	(+91)(033)2546 3915	Place of Birth :	Kolkata, India
E-mails :	aritraudra@gmail.com aritrarudra@yahoo.in	Nationality :	Indian
		Gender :	Male

### ***Achievements and Extra Curricular Activities***

- Ranked among top 4% in WBJEE (West Bengal Joint Entrance Examination).
- Ranked among top 4% (>96.6 percentile) in GATE (Graduate Aptitude Test in Engineering) in 2013 and 2015.
- Winner of College Fest Coding Competition “Decode-C” (2011).
- Took 1st and 2nd place in many swimming competition, 4th in state-level backstroke swimming competition.
- Organizer and co-organizer of five events in the college festival, active member of college Cultural Team and Students Technical Team.
- Co-writer of 1st & 3rd year college play, active participation in various other cultural programs.

### ***Leisure Interests***

- Competitive programming, Playing Video Games.
- Watching Movies, Image editing.
- Travelling, Swimming, Cycling.