

# आकाश अग्रवाल

## AAKASH AGGARWAL

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### WORK EXPERIENCE

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**Ericsson India Global Services, Gurgaon**

**November 2014- Current**

**Network Engineer- RF Optimization and Planning**

- Working as a full time Network Consulting Engineer in Ericsson Network Engineering Team in a customer facing setup.
- Worked in different markets (India, Brazil and US) on different operators (Airtel-India, TIM-Brazil, T Mobile-US)
- Currently handling Auditing, optimization and planning of WCDMA, LTE and GSM Network
- Recently involved in testing and optimization of new WCDMA features to enhance user experience, reduce drop calls and improve data rates.
- Other responsibilities involve mentoring new joiners and interns as well as training experienced co-workers in new Radio features and automation methodologies.
- **Technologies Involved:** WCDMA, LTE, GSM, Scripting in Shell and Python, Excel, Cronjob scheduling, Server management, XML, SQL basics, and EDOS tools (Internal), HTML, Tomcat, PBO, ODG etc.

**MAX Healthcare, Gurgaon**

**July 2013 – August 2013**

**Intern- Data Analysis (Department of Medical Administration)**

- Worked on data related to the department of medical administration.
- Data crunching and filtering on a large data sets.
- Provided data sanity reports and assisted on database maintenance.
- Worked on Excel and SQL database.

**NTPC Ltd., New Delhi**

**May 2013 – June 2013**

**Intern - Control and Instrumentation**

- Carried out research at Badarpur Thermal Power Station (BTPS)
- Worked on Data Acquisition System through Distributed Control system
- Reported a research paper on various power plant operations and SCADA

### EDUCATION

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**Amity School of Engineering and Technology, Amity University, Noida**

**July 2010- May 2014**

Bachelor of Technology – Electronics and Communications Engineering

Cumulative GPA: 6.02/10

**Vivekanand School, New Delhi**

**2010**

Central Board of Secondary Education (CBSE) / Std. XII

Overall percentage – 80%

**Holy Angels School, Sahibabad**

**2008**

Indian Certificate School Examination (ICSE) / Std. X

Overall percentage – 81.3%

### CERTIFICATIONS

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**Ericsson Certified Associate - Radio Network Optimization**

**September 2015**

**Ericsson Certified Associate - Radio Network Design**

**November 2015**

**Six Sigma- Green Belt, BSI and Amity University**

**Jan 2014- April 2014**

**German Language Minor, Amity University**

**August 2010 - May 2014**

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## PROJECTS

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### T Mobile Oklahoma, Ericsson

May 2016 – Nov 2016

- Feature implementation (ulfcc and carrier aggregation) for T Mobile Oklahoma
- Awarded Ericsson Rockstar Power award for Q2 '2016 for successful implementation for these features

### TIM Brazil LTE and 3G, Ericsson

Dec 2015 – April 2016

- LTE rollout for 2500 sites for Rio Olympics
- Second carrier deployment for Sao Paulo region

### Bharti Airtel Delhi 2G, 3G, 4G, Ericsson

Jan 2015- Nov 2015

- Frequency planning (3G and LTE) for 6 Airtel Circles(Delhi, HP, JK, Rajasthan, UPW and UPE)
- Audits such as PSC Conflict, 3G-3G, 3G-2G(IRAT), 2G-3G(Cell Reselection), 3G-4G(eutranfrequency) neighbour audits, Parameter Audit, Feature Audit, BCCH-BSIC Audit, Iur Definition Audit, LAC/RAC/URA Audit etc
- Automation of all Auditing process using SQL based tools and applications
- Responsible for Optimization of WRAN network which includes Troubleshooting CSSR, RAB-RRC setup & retention, call drop, pilot pollution, handover problems (Soft, softer, IRAT), server inconsistencies problem etc

### Six Sigma Project, BSI

March 2014- April 2014

#### Analysis of the food manufacturing process of Amity University Cafeteria

- Ensure that the sub-assembly products are achieving Six Sigma quality levels (3.4 defects per million) by using the six sigma methodology
- Develop an Improvement Strategy that minimizes the rework costs while achieving the desired quality objective, using regression & correlation analysis

### Research Project, Amity University

July 2013 – December 2013

- Designing a reversible watermarking algorithm using TNG function on ophthalmic images
- Application of reversible watermarking techniques on medical images to protect patient's privacy
- Algorithm is tested and working for medical images other than ophthalmic images
- **Technologies Involved:** MATLAB, Java

## HONORS AND ACHIEVEMENTS

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|---|-----------------------|
| • <b>Ericsson Rockstar Power Award Q2 '2016</b>   | <b>July 2016</b>      |
| • <b>Ericsson Rockstar ACE Award Q3 '2015</b>   | <b>October 2015</b>   |
| • Organised a photography event 'Pictography' under Amity University Student Branch of IEEE.      | <b>January 2013</b>   |
| • Second among more than 1000 entries at paper presentation at an IEEE event at Amity University. | <b>September 2012</b> |
| • Attended a National Conference on VLSI at Amity School of Engineering and Technology.           | <b>September 2010</b> |
| • Finalist of coding competition 'Shoot the bug' in C++ held at Vivekanand School                 | <b>August 2009</b>    |

## SKILLS

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- **Hardware and Software Programming Languages:** Java, C, Python (basics), SQL
- **Technologies:** MySQL, HTML
- **Operating Systems:** Windows, Linux/Unix
- **Tools:** MATLAB, EDOS tools, NePa etc
- **Languages:** Professional proficiency in English  
Native proficiency in Hindi  
Basic working proficiency in German

## PUBLICATIONS

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Reversible Ophthalmic Image Watermarking using TNG Function, IJERT

October 2016

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## EXTRACURRICULAR ACTIVITIES AND INTERESTS

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- **Member of Team Sustainability & Corporate Responsibility, Ericsson** **Dec 2014 – Dec 2016**
  - Organize blood donation drives, environmental and cultural events at workplace
  - Perform in fundraisers for various NGOs associated with ES&CR team.
- **Program Leader for ‘We for India’ a College Organization** **Feb 2011- Oct 2012**
  - Led a team of 5 members to carry out activities designed to improve the standard of living in orphanages
  - Implemented strategies for better utilization of the resources for those children
  - Key focus on sanitary and education in those orphanages
- **Coordinator at Cultural Fest (Amity Youth Fest)** **2013 and 2014**
  - Chief Organizer for Aphasia: Battle of Bands
  - Pitch preparation for sponsorship and branding
- **Member of Amity Music Society (AMSO)** **Sept 2010 - May 2014**
- **Member of Photography Club of ASET** **Jan 2012- May 2014**