# Education

**RAJESH BELLAMKONDA**

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## NYU Tandon School of Engineering, NY May 2018

Master of Science in Electrical & Electronics Engineering – Concentration in Control Systems | GPA: 3.47/4.0

*Coursework*: Applied Matrix Theory, Linear Systems, System Theory & Feedback Control, Digital Signal Processing, Sensor Based Robotics

## Visvesvaraya National Institute of Technology, Nagpur, India Sept 2014

Bachelor of Technology (B Tech) in Electrical and Electronics Engineering | GPA: 7.4/10.0

*Coursework*: Programming in C, Control Systems, Advanced Control Theory, Sampled Data and Digital Control, Electrical Machine Design, Operations Research, Switchgear and Protection, Power Electronics, Psychology & HR, DSP Application to Power System.

# Technical Skills

* **Programming Languages :** C, C++, Python, SAS, MySQL
* **Tools :** MATLAB (familiar with most of the toolboxes), LABVIEW, Simulink, ABB PLC, SCADA
* **Graphic Design :** AutoCAD
* **Applications :** Microsoft Office [Excel, Word, PowerPoint, Access]

**Professional Experience Larsen & Toubro Hydrocarbon Engineering Limited, Powai, India Aug. 2014 – Jul. 2016** Project Engineer

* + Worked on the Project Management Team as an Electrical and Instrumentation Engineer on MHNRD-III Offshore Platform Project with an estimated value of $180 million.
  + Collaborated with vendors like ABB India Limited and L&T Control & Automation Group for the design and commissioning of RTU, PLC and SCADA Networking System.
  + Worked as Project Value Estimator with Marketing Team for a Proposal of LEWPP-3 Project with an estimated value of $400 million. **Bharat Heavy Electrical Limited, Hyderabad, India Jun. 2012 – Jul.2012** Engineering Trainee
  + Integrated as part of the Switchgear Testing Team of BHEL and was involved in testing and repair of EHV Circuit Breakers.
  + Examined and performed various testing processes and gained knowledge of the standards and procedures involved in 765KV EHV AC SF6 Quad-break circuit breaker testing and maintenance.

## Power Grid Corporation of India Limited, Hyderabad, India Dec.2011

Operations Trainee

* + Observed and learned about various power and communications equipment involved in the operations and maintenance of 400KV sub- station. Learned the communication protocols involved in the transmission of high frequency signals in the high voltage conductors.
  + Dealt with the testing of transformer oil and understood the chromatographic processes involved in the activity. Conducted testing of several samples and filled reports.

# Projects

## Development of Controllers for Rotary Inverted Pendulum, VNIT Nagpur Aug. 2013 – Apr. 2014

* + Developed several types of controllers for Rotary Inverted Pendulum using **MATLAB** such as Linear Quadratic optimal controller and

**Fractional order PID** controller using **Genetic Algorithms** in Simulink. Used the Control systems toolbox to complete this project.

## Audio Steganalysis for LSB Audio Steganography, NYU Jan. 2017 – May.2017

* + Developed a machine learning algorithm to predict whether any given file is steganographed or not. Used the DSP Toolbox in **MATLAB**

to complete this project.

# Leadership Activities

## National Annual Quiz-Fest at VNIT, Nagpur Feb. 2012 – Feb. 2013

Core Team Member

* + Acted as team lead for the marketing team of the National Annual Quiz-fest organized at VNIT, Nagpur for 2 years.
  + Raised sponsors from various organizations and actively organized a successful publicity with a total participation of over 5000 students from across the country.
  + Designed multiple events to bring-in sponsors and organized online games for out-station quizenthusiasts.