

VIPUL KUMAR SINGH

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ACADEMIC QUALIFICATION

Period	Institute	Course	Result
2013-2017	Ajay Kumar Garg Engineering College, Ghaziabad.	B. Tech in Electrical and Electronics	67.9%
2012	Central Academy, Kota(CBSE)	Class XII	62.3%
2010	K.V, Solapur (CBSE)	Class X	8.8

WORK EXPERIENCE

Trainee

Northern Indian Railways

June,2016 – July,2016

- Studied the inspection and modification procedure as the rail coach passes through different workshops during its overhauling process. Study was conducted based on:
 - Pre priming circuit which provides lubrication to the engine stand.
 - Starting alternator with the help of magnetic switch.
 - Regulation of voltage through 3-Phase induction motor with the help of VRR (voltage regulator rectifier) for constant voltage to the 8v battery of engine.
 - Working of turbo supercharger.
 - Air brake system.

Trainee

National Instruments

February,2016 – March,2016

- The training consists of working on LABVIEW, it is a tool to solve today's problem faster and more effectively with the capacity to evolve to meet your future challenges it is a graphical language.

TECHNICAL COMPETENCIES

- **Languages :** C,C++
- **Software and platform :** MATLAB, LABVIEW, Adobe Photoshop, Arduino.

PROJECTS

- **Automatic car parking system** (Dec,2016-April,2017):
 - Integrating the model with PIC16F877A to facilitate multi-storey parking without the driver.
- **Motion for 2-stroke engine** (june,2016-july,2016):
 - Regulation of voltage using VRR rectifiers.
 - Using 3-Phase induction motor to drive the 2-stroke engine.
- **Low cost metal detector** (Jan,2016-March,2016):
 - Designed and developed to detect metals in ground using 555 Timer IC with simple Inductors and Capacitors.

CO-CURRICULAR ACTIVITIES

- National level Runner up in paper presentation at IIT-DELHI (TRYST-2016).
- Winner at Emerging trends in engineering and technology conducted by INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE).