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Seeking assignments in **PRODUCT DEVELOPMENT** with an organisation of  
repute

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**Summary**

- Completed **PG Diploma in Embedded System Designing (DESD)** from **Centre for Development of Advance Computing (CDAC-ACTS), Chennai**.
  - Completed **B. Tech. (Electronic Engineering)** from **S.B. Jain College, Nagpur University**.
  - Having good academic and professional study credentials.
  - Willing to work in a competitive working environment by accepting challenges of the new technology.
  - Exceptional team spirit helping in the achievement of personal goals.
  - Possess good programming skills in C/C++, Assembly Language and Embedded System Programming.
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**Academic Credentials**

2014	PG Diploma in Embedded System Designing (DESD) from Centre for Development of Advance Computing (CDAC-ACTS), Chennai with 59%
2013	B. Tech. (Electronic Engineering) from S.B. Jain College, Nagpur University with 61.8%
2009	12 <sup>th</sup> from R.S.V.M Dhanbad, C.B.S.E Board with 61.11%
2007	10 <sup>th</sup> from High School Pradhankhanta, Jharkhand Board with 76.60%

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**Technical Skills**

- Advance Operating Systems (Linux (all architectures)).
  - Sound Knowledge on Micro-controller Architecture and Peripheral.
  - Embedded System Programming.
  - Data Structure
  - Linux Device Drivers (Character Driver)
  - **Languages:** Assembly, C, Embedded C, Python.
  - **SDK/IDE:** GCC on Linux, AVR Studio, Keil, Protues, MPLAB IDE.
  - **Development Board :** STK 500, Raspberry pi, TI Launch Pad
  - **Debuggers:** GDB, JTAG (beginner).
  - **Platforms:** LINUX (BOSS, Fedora, Ubuntu), Window Vista (32-bit and 64-bit), Windows 7(32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Android.
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**Work Experience**

- **CDAC-Chennai** - 6 months (Aug 27<sup>th</sup> 2013 to Feb 27<sup>th</sup> 2014) experience as **Software Developer (trainee)** in embedded system, Real Time Operating System and Device Driver Development with C (Linux).
  - **GVC System pvt. Ltd Noida** - 10 months(May 10<sup>th</sup> 2014 to till date) experience as **Asst Engineer Trainee** in the field of product development life cycle , Testing and Development.
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**Projects Undertaken**

- **Title:** CAN Protocol Implementation on Blue board (LPC2148).

**Aim:** The main aim of this project is to control the basis parameter of a vehicle. Different sensors have used in this project to measure various parameter like Temp. Sensor have used to get the temp. Value. This Project implemented on Blue board using external CAN circuitry.

**Software/Hardware used:** Keil IDE, Blue Board(LPC 2148)  
**Programming Language:** Embedded C

→ **Title:** Robotic Arm control using an Android Device.  
**Aim:** We create an application in android which would allow the user to control the external hardware such as Robotic Arm in our case via Bluetooth so we build that application in Eclipse IDE which can transfer the data from Bluetooth of android device to the Bluetooth module which is connected to our microcontroller (AVR) and this data is used to drive the motor connected to the movable parts of robotic arm.

**Software/Hardware used:** AVR studio, ATmega16 board.  
**Programming Language:** Embedded C

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### Trainings Undergone

**Organisation:** NIIT Dhanbad.  
**Duration:** 4 Weeks  
**Title:** C language

**Organisation:** EFY Tech Centre Delhi  
**Duration:** 10 Days  
**Title:** PIC Microcontroller

**Organisation:** Zieb Tech Technologies, Pune  
**Duration:** 7 Days  
**Title:** 8051 Microcontroller

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### Personal Dossier

**Name:** Somnath Roy  
**Date of Birth:** 5<sup>th</sup> Aug 1992  
**Marital Status:** Unmarried  
**Languages Known:** Hindi, English, and Bengali.  
**Address:** S-22, Khirki Extention , Malviya Nagar, New Delhi.  
**Permanent Address:** Village -Pradhankhanta , P.S - Baliapur, District- Dhanbad, (Jharkhand)

**Date:**  
**Place:** New Delhi

**Somnath Roy**