

Resume

Name : **Indroneel Ganguly**
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Telephone : +49-176-64659350 (Mobile)
: +49-7742-854541 (Residence)
Nationality : Indian
Date of Birth : 30 July, 1979.
Marital Status : Single
Earliest Start Date : 01 May, 2009.



OBJECTIVE

To design and build robust Mechatronic Systems in automation and control based on embedded microcontrollers or PC based controllers.

WORK EXPERIENCE

Mar 2008 – Mar 2009 **Engineer Test Stands, Bucher Hydraulics, Klettgau.**

- Commissioning and Test specification of a Production series Teststand
- Designed hardware and developed programs in LabView for Valve Teststand
- Programmed FCU based variable speed/flow Hydraulic Drive using fixed displacement Pump in Labview.

Oct 2006 – Feb 2008 **Engineer Control Systems, AIXTRON AG, Aachen.**

- Design of FPGA/CPLD based interlock systems
- Integration of Wafer handler interface
- PID control loop configuration and COTS controller programming

Sept 2005 – Sept 2006 **Master Thesis, AIXTRON AG, Herzoganrath.**

- Finite State Machine Design + VHDL
- Analog electronics for Data Acquisition Circuits

Sept 2004 – Sept 2005 **Student worker, AIXTRON AG, Herzoganrath.**

- Microcontroller programming (Atmel-AVR RISC microcontrollers)
- Electronic Circuit, PCB design, 3D modeling in ProE/Wildfire

July 2004 – Dec2004 **Internship, Fraunhofer Institut Produktionstechnologie, Aachen.**

- Developed a working prototype of a focus sensor.
- Worked involved making electronic circuits and integration

Feb 2003 - Sept 2003 **Engineer Trainee, CadVision Engineers Pvt. Ltd., Hyderabad.**

- Designed and Programmed Microcontroller based Display systems.
- Implemented Serial Communication interface with PC.

June 2002 – Jan 2003 **Graduate Engineer Trainee, Denison Hydraulics India Limited**

- Preparation of Acoustic Chamber and Instrumentation for Test benches.
- Assisted in the design of Speed Control of Hydraulic cylinders, valve spools.

Jan 2002 – May 2002 **Btech. Project, CadVision Engineers Pvt. Ltd., Hyderabad.**

- Microcontroller based Table Positioning System with Stepper and DC motors.
- Used the Atmel 89C51 Microcontroller with Serial Port interfacing with PC.

EDUCATION

Oct'03-Sept'06 Master of Science in Mechatronics at University of Applied Sciences Aachen.

June'98-May'02 Bachelor of Technology, Mechanical Engineering (Mechatronics), Jawaharlal Nehru Technological University *Graduated with Distinction.*

June'84-June'97 12th Class *passed with Distinction*, 10th Class *passed with Distinction*, school and preschool at Hyderabad Public School.

ENGINEERING SKILLS

Hydraulic and Electronic circuit design.	
FPGA Development:	ispLever (Lattice Semiconductors)
Programming Languages:	Pascal, C, C++, VHDL
Simulation Software:	ANSYS, MATLAB/Simulink, Saber, Spice.
Data Acquisition:	LabView 8.6, Diadem
Automation:	PLC-Ladder Diagrams
Mechanical Design Software:	Pro-Engineer, AutoCAD
Schematic and PCB Design:	Eagle
Manufacturing Software:	CNC-programming
Others:	MS Office and MS Project

LANGUAGES

High Proficiency in written and spoken English
Moderate skills in written and spoken German.
Fluent in spoken Hindi, Telugu and Bangla (Indian languages).

VISA STATUS

Foreign Worker Visa valid up to 28th February, 2010 (annually renewable).

REFERENCES

1. Mr. Sven-Dirk Schröter, Production Manager and immediate supervisor, Bucher Hydraulics, Klettgau.
Email: sven.schroeter@bucherhydraulics.com. Tel: +49-(0)7742-852-166
2. Mr. Ralf Leiers, Senior Engineer and master thesis supervisor, AIXTRON AG, Aachen.
Email: r.leiers@aixtron.com. Tel: +49-(0)241-8909-436