

Rineetha Charles

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Objective:

Dedicated and motivated mechanical engineering graduate with proven technical skills seeking entry level design engineer position where I can apply my four years of education and training to enhance my knowledge and also for the success of the company.

Education:

August 2012- May 2016 Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, BTech Mechanical Engineering Design and Manufacturing.

- **Achieved CGPA*** : 8.44
- **Skills acquired:**
 - Design, part modelling and simulation of models using Autodesk Inventor, Sketchbook Pro and designer.
 - Working with microprocessors and micro controllers 8085, 8086, 8051. Coding a micro controller using Verilog.
 - Working with the mechanical equipment like motors, milling machine, drilling machine, lathe, hardness testing machine, tensile testing machine.
 - Completing multiple deadlines on time with the best performance possible.
 - Leadership qualities, team management, self-confidence and organizing both technical and cultural events.
 - Working under pressure, multitasking and responsibility.

(* CGPA by the end of 6th semester)

Year of study	Board	Percentage achieved
2010- 2012	Andhra Pradesh Board of Intermediate Education	97%
2009-2010	State Board of Higher Secondary Education	93.6%

Project Experience:

- **Design and fabrication of a mass flowmeter*** for low temperature fluids with low mass flow rate under the guidance of Dr. B. Raja, Asst. Professor, IIITDM
 - Knowledge on the different concepts related to fluid mechanics.
 - Hands on experience with Open Foam software for CFD analysis.
 - Knowing the properties for particular materials which can be used for fabrication.
- **Product design project** of Designing, prototyping and Building a working model of automated aerators used in fisheries.
 - Knowledge on the measurement of DO content in water.
 - Interfacing ADC with the aerators.
 - Programming and building of ADC.

- **Green Energy and Product design project** to efficiently harness the heat energy wasted from a silencer in automobiles for any mechanical purpose (for ex: the movement of the pointer in speedometer) under the guidance of Dr. Naveen Kumar Vats, Asst. Professor, IIITDM.
 - Knowledge on the concepts related to conversion of heat to electricity and then to mechanical energy.
 - Usage of electrical devices and designing circuits to serve the purpose.

(* Indicates on-going projects)

Experience:

- **Bosch Energy Division, Adugodi**

May 18, 2015- July 10, 2015

Project Trainee:

- Worked on the project Designing, modelling and installation of SPV systems.
- Performed all the duties assigned by the project guide and reported all activities to him.
- Designed SPV systems for different capacities and requirements.
- Maintained detailed documentation of all the designed projects.
- Participated in the discussions and meetings conducted by the project managers.
- Went for plant visits to gain exposure and knowledge.
- August 2014- April 2015 **Core of Mechanical Club** in our college.
 - Responsible for organizing various events related to Mechanical engineering.
 - Helping the students in our college with the concepts related to Mechanical engineering and encouraging them and guiding them to participate in different events conducted in other colleges.
 - Allotting tasks to the coordinators and maintaining deadlines.

Skills acquired:

- ✓ Responsibility, self-motivation, Taking initiative, Event managing, Planning and scheduling.
- August 2014- April 2015 **General Cultural club core** of the Cultural club in our college.
 - Organizing various cultural events in the college.

Skills acquired:

- ✓ Team Work, Budget planning, Brain storming for creative ideas.

Extra-curricular activities and Achievements:

- Took part in Robotics workshop organized by Robotech labs in IIITDM which dealt with prototyping a bot (line follower).
- Worked as a volunteer during SSG activities like Zoo cleaning, Polio drops campaign, Campus clean drive, medical camp and blood donation camp.

Software Skills	Interests
C programming, MATLAB	Playing guitar
Sketchbook PRO, Designer	Dancing
Autodesk CAD, Inventor	Reading books
Linux, Ubuntu, Simulink, Labview, Multisim, Xilinx ISE, VHDL	Painting, crafting and art.
Photoshop and other editing software	Singing

Declaration: I hereby declare that all the above stated information is true to the best of my knowledge.

References: References will be provided upon request.