

Sudhir D Chaudhary

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Passionate mechanical engineer with 9 months of industrial exposure in a small scale company. With good aptitude for design and research makes me a potential candidate in the field of component development.

WORK HISTORY

Graduate Engineer Trainee

The Turning Point Engg. Pvt. Ltd. Ambad, Nashik.

July 2018 to March 2019

- Supervised and set goal for production
- Designed control plan to ensure good quality machining of components
- Regular customer interaction and troubleshooting of their problems.
- Making Corrective and Preventive Action plan for customer complaints.
- General management to insure smooth functioning.
- Daily quality control check.
- Maintaining 5S.

EDUCATION

Sandip Institute of Technology and Research Centre

SPPU (Formerly University of Pune)

July 2013 to July 2018

B. E. Mechanical Engineering

62.79% (First Class)

Kendriya Vidyalaya NMU, Jalgaon.

XIth (CBSE)

May 2012 to May 2013

Physics, Chemistry and Mathematics

77.8%

Kendriya Vidyalaya NMU, Jalgaon.

Xth (CBSE)

May 2010 to May 2011

81.4%

TECHNICAL SKILLS

CAD/CAE/CAM

AutoCAD, Catia, Creo, ANSYS, Lotus Suspension Software, MSC Adams, MasterCAM

Computing

MS Office, Python Intermediate, MATLAB

Standards

Geometric Dimensioning and Tolerancing (GD&T)

GENERAL SKILLS

Mathematics

Problem solving

Communication

Creative

Analytical Thinking

ACADEMIC PROJECTS

Major Project

Design and development of Assembly Parts Rack Rotator With Automation (Lear Automotive Pvt. Ltd.)

- Researched and developed a design methodology for Geneva Mechanism.
- Made calculations for design of slider-crank mechanism to drive the Geneva driver wheel.
- Designed pneumatic circuit and did calculation for forces.
- Implemented CATIA for computer aided design and analysis of mechanism.
- Implemented ANSYS to find out stresses and forces.

Minor Project

Design and fabrication of remote controlled HOVERCRAFT.

Designed and fabricated a small size working model of a Hovercraft controlled with the help of a remote.

PERSONAL PROJECTS

SAE BAJA 2017

Lead the team of 25 members to design an all terrain vehicle (ATV) to compete in the competition.

- Researched and designed front and rear suspension system.
- Implemented PTC Creo for computer-aided design of various parts of suspension like hub, spindle and wishbone.
- Implemented ANSYS to find out stresses and failure points in the CAD models.
- Did DFMEA to find out potential failure.
- Used Lotus Suspension Software and MSC Adams for analysis of suspension performance.
- Did calculation for motion ratio, caster, camber etc.,.
- Presented the design at Virtual Round.

ATMOSPHERIC WATER GENERATOR (TECHKRITI INNOVATION CHALLENGE IIT KANPUR)

Presented an innovative concept of generating water from atmospheric moisture. Prepared a static model to display the concept at IIT Kanpur.

SAE ELECTRA 2016

Team of 25 members were tasked to design a two-seater electric car to race against other collegiate teams. As a member I headed the suspension system dept and was responsible for designing a strong and durable suspension for the vehicle.

CERTIFICATES

Mechanical System Design

Margdarshan Industrial & Corporate Training Solutions, Nashik

23/01/2016 to 25/01/2016