

Pothula Siva Krishna

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Summary

Objective:

Intend to build a career with an engineering environment, which will help me to explore myself fully and realize my potential and to cope up with the emerging technology and advancements to expand my knowledge in science and Engineering and to reach to long-range career objectives in CAE field through research and development.

Summary:

- Total 9 Years 5 Months of experience

Experience



Specialist

Ford Motor Company (Deputed By Satyam Engineering Services Private Limited)

Aug 2016 - Present (5 years 2 month +)

Pre-processing in Hypermesh for solving in Ansys APDL and Abaqus.

- * Pre-processing in Hypermesh for solving in Nastran.
- * Connections and assembling for Abaqus, Ansys, and Nastran.
- * Optimization design suggestions for BIW and structural designs.
- * Vehicle Program Handling from underbody to testing.
- * Specialization in Oil & Gas assemblies for structural stability.

Job Responsibilities:

- * Responsible for estimation and delivery for CAE program analysis with optimization techniques and test correlation activity.
- * Ensuring the Quality of the Output data according to standards.
- * Undertaking quality checks according to client's requirements & correcting on the meshes & prepare them for solution.
- * Responsible for Preparing the geometrical clean-up by using Advanced FEM Methodologies. (HYPERWORKS).
- * Planning the projects to deliver on time and assigning the task to the team like project management, handling and estimation.
- * Understanding the customers requirement and meeting clients to understand the scope of the project.
- Handled complete program on BIW model with team of 5 members and on time delivery.
- Leading team with work balance and project deadlines with client meetings on deliverables.

Truck Tailgate Deflection Analysis

Project Description:

- * Project involved nonlinear data mapping, contacts, load conditions.
- * Analysis executed as per the client's requirement.
- * Performing analysis according to loads and boundary conditions

provided by customer for tailgate location for deflection study and optimization

Software: Hyperworks, Abaqus

Tow Hook Recovery

Project Description:

- * Project involved nonlinear data mapping, contacts, load conditions.
- * Analysis executed as per the client's requirement.
- * Performing quality index as per client standards.
- * Performing analysis according to loads and boundary conditions provided by customer for tow hook recovery deflection study at front and rear side.

Software: Hyperworks, Abaqus

HEXDOF Senior Application Engineer

HEXDOF Engineering Services Pvt Ltd

Sep 2014 - Jul 2016 (1 year 11 months)

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Projects Handled: Automotive and Heavy Engineering; OIL AND GAS UNDER SEA PILE CLUSTER

Project Description:

- * Project involved Meshing and Geometry cleanup maintain quality parameters
- * Meshing as per the client's requirement.
- * Performing Quality index as per client standards with flow and connectivity.
- * Performing analysis according to loads and boundary conditions provided by customer cross checking with drawing sheets and develop suitable component for customer requirement.
- * Layers of pipe and cement with multiple section of joints and welds taken care and evaluated in this project.

Software: Hyperworks, Ansys, Abaqus;oundary condition



CAE Engineer

WISSEN BAUM ENGINEERING SOLUTIONS LLP - India

Aug 2013 - Apr 2014 (9 months)

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METSO MINERALS IRON ORE LUFF ASSEMBLY

Project Description:

- * Project involved Meshing and Geometry cleanup maintain quality parameters for parts.
- * Meshing as per the client's requirement.
- * Performing Quality index as per client standards with flow and connectivity.
- * Performing analysis according to loads and boundary condition

Software: Hyperworks, Ansys, Abaqus;oundary condition



CAE Engineer

HINODE Technologies Private Limited

Dec 2011 - Aug 2013 (1 year 9 months)

Pre-processing in Hypermesh for solving in Ansys APDL and Abaqus.

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Education



Jawaharlal Nehru Technological University

Bachelor of Technology, Mechanical Engineer

2006 - 2010



Board of High School and Intermediate Education

12th, Mathematics, Physics, Chemistry

2004 - 2006



Senior Secondary School of Education

10th - SSC

2001 - 2002

Skills

ANSYS • Abaqus • Hyperworks • nCode • Nastran • MSC Adams • Python (Programming Language) • Project Management • Project Planning • Team Leadership

Honors & Awards



Built Ford Tough - Ford Motor Company

Aug 2019

Vehicle Program CAE Analysis