

**TEK0799 (PTC - Windchill - 6 yrs)**

■ Bachelor of Engineering

## Highlights

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Aspiring to excel in the field of Design and development in an organization. which recognizes my true potential and provides me with sufficient avenues for professional growth, I want to utilize my all abilities and Achieved qualification for the organization growth.

## Skills

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### Primary Skills

- Windchill Customization

### Secondary Skills

- CAD Management

### Other Skills

- Drafting: Auto CAD (2010), & Detailing: Autodesk inventor (2018).
- Modeling: Pro-E (Cre-o 3.0), UG (NX 12.0), Catia v5 and Solid works (2017).
- PLM: PTC Windchill 11.0 (Industrial Experience).
- CAE: Ansys 15.0, HypeyMesh, Ls-dyna, Nastran.
- Knowledge of FLEX FAST machine & resistance Spot Welding Gun's & Industrial Robotics.
- Design for manufacturability –(DFM)

## Projects

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### Design Engineer - Manufacturing Industry (56 months)

- **Responsibilities**
- CAE Analysis of Cradle Assemblies, Front bonnet, Cross Bar Member's B-Pillar for the OEM companies Like FORD, MAZDA, MARUTI.
- CAD Modeling and Simulation of Robotic Resistance Welding Gun (Pinch, X & C).
- Finite Element Analysis of welding machine.

### Assistant Design Engineer (29 months)

- **Responsibilities**
- CAD Modeling and detailing using (Y14.5-2003) of the different type of BIW Fixture for the robotic welding. (Such as: - CRADLE ASSEMBLY, RADIATOR SUPPORT, CROSS MEMBER, PILLARS). Software used: - Inventor, AutoCAD & UG (NX 12.0).

## PROJECTE'S

- Design of Engine Cradle Assembly and BIW Fixture of Mazda V6. Software Used- CRE-O, Windchill & Ansys.
- Design of welding Gun & BIW Fixture for B-pillar of YCA. Software Used- CATIA v5, HyperMesh, Ansys, Windchill.
- Design of Cross member Assembly and Welding Fixture of Ford CX403. Software Used- CRE-O, Windchill & HyperMesh & Ansys.
- Design and FEA & Structural analysis of IC engine using Cre-o, Ansys.

## Awards

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- Organize intercollege competition for creative design in 2016.
- Organize intercollege level Workshop of IC Engine.
- Secured 2nd Position in Design of Four-wheel bogie system in 2015.
- Secured 1st Position in completing projects at CADD Center.
- Member of Baja SAE Organization.