Jayaprathap Panneerselvam MECHANICAL ENGINEER

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Around 8+ years of progressive experience in Product Design, Development Engineering including six years of experience in the field of CAD Customization. A highly efficient, hardworking and talented engineer with a comprehensive understanding of design processes and manufacturing methods. CAD Customization/Automation using Application Programming Interface (API) which involves programming in VBScript, VBA Customization, and CATIA CAA/VBA and SolidWorks API.

**Skills**

**Programming**

* CATIA CAAV6.
* SolidWorks API.
* Teamcenter SOA.
* C++, CATScript, VB.
* VBA – CATIAV6, Inventor, Excel.
* Python
* Batch Scripting.



**Modelling & PLM**

* CATIAV6.
* SolidWorks.
* Inventor.
* NX.
* Vis-mockup.
* Teamcenter.
* Teamcenter Integration for CATIAV5.





Senior Engineer **|** RNTBCI, Chennai | AUG 2018 - Present

* Developing Knowledge Based Engineering (KBE) solutions which includes Customization, Automation across engineering domains such as Vehicle Architecture, Styling, BIW, Trims, Lighting, Power Train, Chassis, Digital Manufacturing using CATIA CAAV6, CATVBA, CATScript & Excel VBA.
* Leading a team of developers on implementation customization/Automation projects across different domains and sites
* Managing CATIA Administration module across all sites.
* Project Lead for CATIA V5 R24 to R27 migration activity.
* VB Projects: Instance Symmetry About Defined, Structure Creation, WCGI Report Analysis, FI Interface Data renaming etc.,
* CAA Projects: Part Quality Check, Massive replacement of reference etc.,

Automation Engineer **|** Tata Consultancy Service, Chennai | DEC 2016 – AUG 2018

* Developing design automation for BIW – Dimensional Engineering activities such as Creation, Quality and Report generation using CATVBA, CATScript, Excel VBA.
* Writing macros for complicated/repeated features and testing the new tool to ensure quality.
* VB Macro: Locator and CMM Point Creation, Quality Checker Tool, etc.,



CAD Customization Engineer **|** L&T Technology Services, Chennai | AUG 2016 – DEC 2016 (Deputed from Tech Era IT Consulting Pvt Ltd)

* Responsible for CAD customization and creation of new CAD automation tool as per client requirements.
* Performing Quality checks on Part, Assembly & Drawings as customer requirements.
* VB Macro: Removing Title Block Duplicates, Default Chamfer & Radius Creation, etc.



Design Engineer **|** Agnice Fire Protection Pvt Ltd, Chennai | DEC 2015 – JUL 2016

* Designing 2D layout and fire pipe routing drawing for fire fighting system using AutoCAD, SolidWorks.
* Performing Quality checks on Part, Assembly & Drawings as customer requirements.
* VB Macro: Developed Pressure Drop Calculator for cryogenic piping systems.



Mechanical Engineer **|** Gammon India Ltd, Chennai | NOV 2012 – SEP 2015

* Designing 3D models, assembly from existing 2D drawings as per requirement using AutoCAD.
* Responsible for maintaining BOM and ensuring BOM prepared by vendors.



Education

* B.E-Mechanical Engineering with 70.9%, MNM Jain Engg College, Chennai (2012).
* State Board Higher Secondary Education (HSE) with 71.7%, Govt Hr Sec School, Namakkal (2008).
* State Board Secondary School (SSLC) with 73.0%, Govt Hr Sec School, Namakkal (2006).



Personal Information

Father’s Name : K Panneerselvam

Mother’s Name : K Jayachitra

Date of Birth : 07 Jul 1991

Sex : Male

Languages Known : English, Tamil, Hindi.

Passport Number : M9199970

