|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ASHWIN KASIRAJAN *Senior Design Engineer, Generation Infinite Machine PVT. LTD, Bangalore* | | | | | Mechanical Engineer with over 3 years of experience in Product Design, Prototyping, Development and Testing. Skilled in Solid Works 3D modeling, Assembling, 2d drafting and Simulation in SolidWorks and Cam code generation using software for 2D drawings.  Demonstrated leadership skills that optimize collaboration between teams to produce high-quality Consumer Machines. |
| **Personal Info** |  |  | **Work Experience – 3.5 years [Including 9 Months Internship]** | | |
| **Address:**  1042 C, Good Land PG,  Taverekere Main Road, Brindavan Nagar  BTM Layout, Karantaka -560029 |  | **2019 -present** | | **Senior Design Engineer**  *Generation Infinite Machine PVT. LTD, Bangalore*  ***Responsibilities:***   * Product development for SmartBatter and SmartPot: * Conceptual development of product design * Conversion of product design into 3D model with proper dimensioning and tolerance * 3D modelling – auto engagement couplers to achieve modularity * Building mechanisms to achieve core functionality of product * Creation of linkages for motion study * Multiple reiterations of design * Fabrication planning and Vendor relations: * Conversion of 3D drawings to 2D drawings * Food-grade material selection for food robotic appliance * Identification and competitive analysis of vendors and suppliers * Vendor reach outs and obtaining of quotation * Obtaining estimate approval and release of design for fabrication * Fabrication and post-fabrication: * Monitoring and regular follow-ups with vendors for timely delivery * Quality check of fabricated products * Outsourcing for powder coating and anodizing of product * Prototype development: * Assembly of modules and parts to obtain final output of product * Testing of individual modules and mechanisms for accurate functionality * Unit testing through coordination with software and electricals team * Evaluation, design reiteration and rectification for final functional output * Overall hardware and software integration testing to obtain full functionality * Production model design: * Conversion of prototype design to injection moldable design * Designing without undercuts/negative drafts through proper review * DFMEA report with close coordination with team | |
| **Phone:**  +91- 9443370346 |
| E-mail:  ashwinkasirajan@gmail.com |
| **Date of birth:**  25-02-1998 |
| **LinkedIn:** https://www.linkedin.com/in/ashwin-kasirajan-93b525164/ |
| **Skills** |
| **Product Conceptualization**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| **3D Modeling**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| **Product Simulation**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| **Prototype Development**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| **Product Development**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| **Injection Mold Designing**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| **Product Testing**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| **Software & Tools** |
| * SOLID WORKS * CATIA V5 * CREO * ANSYS   MS Office Excel, Power point |
| **Certifications** | **2018 -2019** | | **Internship**  *Generation Infinite Machine PVT. LTD.*  **Project**:   * Smart Batter version 5 design. | |
| * Diploma in Professional CADD * SolidWorks |
| **Languages** |  | | **Education** | |
| * English (Professional Working) * Tamil (Native) |  |  | | * Bachelor of Engineering in Mechanical , 2019 from Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College with CGPA 8.3 * HSC from KVS Matriculation Higher Secondary School, Virudhunagar in March 2015 with 91% * SSLC from KVS Matriculation Higher Secondary School, Virudhunagar in March 2013 with 91% | |
|  | | | | | |