AJAY.E

CONTACT

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📍 Tambaram, Chennai

✉️ ajaymichael491@gmail.com

EDUCATION

Bachelor of Engineering in Agriculture, Saveetha Engineering College, Thandalam.
Graduated with First Class with Distinction- CGPA: 8.50 / 10

Grade 12: 63.5%

Grade 10: 92.2%

INTERESTS

➜ Mechanical Design
➜ CAD Modeling
➜ Product Innovation
➜ Farm Mechanization
➜ Technical Drawing
➜ 3D Simulation
➜ Prototyping

LANGUAGES

➜ Tamil (Native)
➜ English (Professional Proficiency)

PROFESSIONAL SUMMARY

Motivated and detail-oriented Engineering Graduate with a strong background in Agricultural Engineering and a passion for mechanical design. Skilled in **AutoCAD, Solidworks** and **Creo** with hands-on experience in precision modeling and CAD tools. Adept at translating complex concepts into functional design solutions. Seeking a challenging role as a Design Engineer where I can contribute to innovative product development and continuous engineering improvements.

TECHNICAL SKILLS

CAD Tools: AutoCAD, Creo Parametric, Solidworks
Software: MS Office (Word, Excel, PowerPoint)
Skills: Product Design, CAD Drafting, 3D Modeling, Agricultural Machinery Design, Sheet metal, Assembly and casting
Fundamentals: Communication, Team Collaboration, Design Documentation, Presentation Skills, Analytical Thinking

PROJECTS AND EXPERIENCE

- Designed and developed conceptual layouts and 3D models of agricultural tools and machinery using Creo, SolidWorks, and AutoCAD.
- Specialized in sheet metal design, part modeling, assemblies, and drafting, ensuring manufacturability and cost-effectiveness.
- Created detailed engineering drawings, GD&T annotations, and BOMs for fabrication and assembly processes.
- Conducted inspections, tolerance checks, and performance evaluations of farm equipment to ensure operational efficiency, reliability, and compliance with industry standards.
- Collaborated with cross-functional engineering teams to optimize designs, reduce material usage, and enhance durability of agricultural machinery.
- Participated in hands-on projects involving the design and integration of mechanical systems for farm product processing and automation.
- Applied advanced CAD techniques to generate accurate, detailed design documentation supporting manufacturing and quality assurance.
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