

Mohamed Kais

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ABOUT ME

Dedicated Mechanical Manufacturing Engineer with a strong background in designing and optimizing mechanical systems for enhanced performance. Proficient in CAD/CAM software and experienced in implementing lean manufacturing principles. Committed to delivering high-quality products and driving process improvements. Excited to bring my skills and expertise to contribute to your company's success.

EDUCATION

Bachelor of Science in Engineering (Honours) in Mechanical & Manufacturing Engineering 2025

University of Ruhuna, Sri Lanka

- GPA: 3.5 (Expected)
- Relevant Coursework:
 - Mechanics of Machines
 - Manufacturing Processes
 - Fluid Mechanics
 - Thermal Engineering
 - Engineering Design and Graphics
 - Computer Aided Design and Drafting
 - Finite Element Analysis
 - Operations Management

Advanced Level

2019

T/T/Pulmoddai Muslim Central College, Sri Lanka

- Combined Mathematics - 'A'
- Physics - 'B'
- Chemistry - 'A'
- General English - 'C'

SKILLS

Designing Tools

- **SOLID WORKS**: Skilled in creating 3D models, assemblies, and drawings for mechanical components and systems.
- **SKETCH BOOK**: Experienced in sketching freehand design concepts, creating technical drawings, and visualising product ideas.
- **AUTO CAD**: Proficient in 2D drafting, generating detailed technical drawings, and creating designs for manufacturing purposes.

Simulation Tools

- **MATLAB**: Skilled in using MATLAB for numerical analysis, simulation, and data processing.

Other Tools

- **MS EXCEL**: Proficient in using Excel for data analysis, creating spreadsheets, and generating reports.

- **MS WORD:** Experienced in creating professional documents, reports, and presentations.
- **PHOTOSHOP:** Skilled in image editing, manipulation, and design.
- **ILLUSTRATOR:** Experienced in vector graphics creation, logo design, and illustration.
- **IN DESIGN:** Proficient in page layout, publication design, and creating professional brochures and flyers.
- **PREMIERE PRO:** Experienced in video editing, post-production, and creating video content.

COURSES

- **CREATE STUNNING GRAPHIC DESIGN (Udemy)** - Completed this course to enhance my graphic design skills and learn advanced techniques for creating visually appealing designs.
- **SKETCH BOOK FREE HAND SKETCHING (Udemy)** - This course helped me improve my sketching skills, creating more detailed and accurate drawings.
- **SOLID WORK SURFACING (Coursera)** - I gained proficiency in creating complex surfaces and advanced 3D modeling techniques in SOLIDWORKS.
- **PYTHON (Cousera)** - I learned the basics of Python programming, including data structures, control flow, and object-oriented programming. This will be helpful in automating tasks and analyzing data.

PROJECTS

Enhanced Fruit Picker

- This project aimed to improve the efficiency and safety of fruit picking by designing a user-friendly and effective tool.
 - Designed and modeled the fruit picker using SOLIDWORKS.
 - Conducted feasibility analysis to evaluate the design's effectiveness.
 - Developed a prototype of the fruit picker for testing and validation.

LANGUAGES

- **English:** Fluent (Spoken and Written)
- **Tamil:** Native (Spoken and Written)
- **Sinhala:** Fluent (Spoken and Written)

EXTRA - CURRICULAR ACTIVITIES

- **Teacher for Physics Mathematics (Volunteer, Present)**
 - Provided tutoring assistance to students in Physics and Mathematics.
 - Helped students develop their understanding of key concepts and problem-solving skills.
- **Football Team Player, University of Ruhuna (Mar 2022 - Present)**
 - Participated in inter-university football tournaments.
 - Demonstrated teamwork, sportsmanship, and physical fitness.

REFERENCE

DR. CHITHRAL AMBAWATTE

PhD (Russia), MSc (Russia), MSAE (Japan), FISITA (UK), Deen, Faculty of Engineering,

University of Ruhuna, Sri Lanka
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EXPERIENCE

[Job Title]

[Start Date] - [End Date]

[Company Name], [City, Country]

Action verb [Responsibility or accomplishment]

Action verb [Responsibility or accomplishment]

Action verb [Responsibility or accomplishment]

References available upon request.