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# Mohamed Kais me

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## ABOUT ME

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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

## **PRESENTATIONS**

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- ✓ "Design and Analysis of an Enhanced Fruit Picker", Mechanical Engineering Department Seminar, University of Ruhuna, Galle, Sri Lanka (2024)
- ✓ "Introduction to Lean Manufacturing Principles", Workshop for Engineering Students, University of Ruhuna, Galle, Sri Lanka (2023)

## **SKILLS**

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### **Computational**

#### **- MATLAB:**

- ✓ Implemented numerical methods for solving engineering problems, such as finite element analysis.
- ✓ Analyzed data to identify trends and patterns related to system performance.

#### **- SOLIDWORKS:**

- ✓ Developed detailed 3D models of mechanical systems, including assemblies and components.
- ✓ Utilized SOLIDWORKS simulations to analyze the performance and strength of designs.
- ✓ Created technical drawings and documentation for manufacturing purposes.

#### **- SKETCHBOOK:**

- ✓ Developed freehand sketches to communicate design ideas and concepts.
- ✓ Utilized sketching techniques to explore various design options and refine concepts.

#### **- AUTOCAD:**

- ✓ Created 2D drawings and technical illustrations for manufacturing and documentation purposes.
- ✓ Utilized AUTOCAD's drafting tools to create precise and detailed designs.

### **Problem Solving**

- ✓ Analyzed complex engineering problems and identified root causes.
- ✓ Developed innovative solutions that met design requirements and improved system efficiency.
- ✓ Evaluated the feasibility and effectiveness of proposed solutions.

## **Software Proficiency**

- **MS Excel:**

- ✓ Developed spreadsheets for data analysis, tracking, and reporting.
- ✓ Utilized formulas and functions to automate calculations and improve efficiency.

- **MS Word:**

- ✓ Created technical reports, presentations, and other documents.
- ✓ Applied formatting and styles to ensure professional document presentation.

- **Photoshop:**

- ✓ Edited and manipulated images for technical illustrations and presentations.
- ✓ Created visual aids and infographics to enhance communication.

- **Illustrator:**

- ✓ Developed vector graphics for technical drawings, logos, and branding materials.
- ✓ Utilized Illustrator's tools to create scalable and high-quality visuals.

- **InDesign:**

- ✓ Designed and formatted brochures, leaflets, and other marketing materials.
- ✓ Utilized InDesign's layout features to create visually appealing and professional publications.

- **Premiere Pro:**

- ✓ Edited and produced videos for technical presentations and marketing purposes.
- ✓ Utilized Premiere Pro's editing tools to create engaging and informative videos.

## **Languages**

- **English:** Excellent

- **Tamil:** Native

- **Sinhala:** Fluent

## **PROFESSIONAL QUALIFICATION**

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## **EXPERIENCE**

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**Football Team Player**

Mar 2022 – Present

**University of Ruhuna, Galle, Sri Lanka**

- ✓ Demonstrated teamwork and sportsmanship skills while representing the university in football matches.
- ✓ Developed strategic thinking and tactical decision-making skills.
- ✓ Promoted a positive and collaborative environment within the team.

## **EXTRACURRICULAR ACTIVITIES**

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**Teacher for Physics and Mathematics**

Present

**Volunteer**

- ✓ Provided educational support to students in Physics and Mathematics.
- ✓ Implemented engaging teaching methods to enhance student understanding.
- ✓ Developed and delivered study materials to aid students in their learning.

## **REFERENCES**

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References available upon request.