



## PDKS KUMARA

Dip in Eng (Mar), AMRINA(UK), AMIMarEST(UK)  
MIAEng(HK) .

CAD /CAE & FEA DESIGNER AND  
ANALYZER

### DETAILS

NAME – PD KALUM SAMAN KUMARA.  
DOB – 01/05/1985  
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PASS PORT NO – N3462476

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📍 No 41,  
Medagahawathura,  
Nawalapitiya - 20650  
Sri Lanka

### SKILL

Problem Solving

Adaptability

Collaboration

Strong Work Ethic

Time Management

Critical Thinking

Handling Pressure

Leadership

### EDUCATION

#### Diploma in Marine Engineering

Naval Institute of Technology

Naval Base

Walisara - Ragama

Sri Lanka

2004 - 2008

#### CGTTI

Moratuwa

Certificate course of CAD

Design- 2014

#### C.W.F Hamilton & Co. LTD Christchurch - New Zealand

Certificate course of MOH in  
HJ Water jet propulsion.

2016



### RESUME OBJECTIVE

I had 15 years working experience on SL Navy and major role of the navy is CAD and CAE/FEA designing and structural/Model analysing.

I have the experience in designing small craft (below 25 m) and analyzing mechanical and marine applications and systems. I was the senior artificer in charge and coordinator of Naval Boat Building Yard, design unit under the Directorate of Naval Design,

Competent to take leadership in any given situation and motivate others to work effectively as a team & always ready to take on responsibilities and to work hard to accomplish the goals of the organization as effectively as possible. Looking to leverage my knowledge and experience into a role as a designing and analyzing engineer.



### EXPERIENCE AND TRAINING CAD/CAE

- Completed 'AutoCAD 2D and 3D up to modeling' Certificate course and Solidworks software training at the Modern Technology Training Centre at Ceylon German Technical Training Institute, Rathmalana. - 2014 and 2017.
- Completed SSC Lloyd's registry ships structural design (Composite, Steel, and Aluminium) software course. - 2017
- Completed ANSYS software training course in CFD (Computational Fluid Dynamic), model analysis, and FEA (Finite Element Analysis) at SCION Engineering Centre, Malabe. -2018
- Have the experience of structural analyzing and designing mechanical applications and systems.
- Hull analyzing, Boat structure designing, stability and powering calculations and Steel, Aluminium and Composite structure analyzing
- Have the four years' experience in 25 m below boat designing of Strong Work Ethic GRP, Aluminium and Steel
- Completed 15 years of service including my three-year academic training period of marine engineering department of Navy.
- One year and three-month experience as a Ast. Production Engineer at Asian chill Equipment (Pvt) Ltd. Rathmalana



### COMPUTER AND LANGUAGE SKILL

- Ability to work in Autodesk Auto CAD (2D and up to 3D modelling), Autodesk Inventor, Autodesk CFD, Solids Works, Ansys (CFD and Structural analyze), Maxsurf, Rhino 3D and SSC Software for designing, analyzing and create detail 2D drawing.
- Fluent International & Communication Skills in both Sinhala & English.
- Ability to work in Microsoft Office Packages and have good skill for computer typing and IT knowledge.



Autodesk AutoCAD



SolidWork



Autodesk Inventor



Rhino 3D



Autodesk CFD



ANSYS



Maxsurf



SSC Software LLR

## Scion Engineering

CAE/FEA Analyzing & Design  
of Mechanical Engineering  
application.

2018



## AWARD RECEIVED

- **AMRINA(UK)**

Membership No - 00423859

- **AMIMarEST (UK)**

Membership No - 8079021

- **MIAEng(HK)**

Membership No - 240169



## LANGUAGES



SINHALA



ENGLISH



## ACTIVITIES AND INTEREST

- A vibrant member of School's western band sergeant from 2002 to 2004.
- A member of the former school's perfect team from 2000 to 2004 and appointed as a deputy head prefect.
- Member of former school's Judo club (Anuruddhian's Club) and won runners up 52 kg Weight class, all islands national schools Judo meet at 2003 and won other schools and other club Judo games.
- Member of former school's scout club and cadet platoon.
- Engage in architectural designing and mechanical system design and analyzing in my leisure time.
- Highly analytical team player with an aptitude for quickly scrutinizing environments to identify and priorities needs risk and develop solutions.
- Enjoy in facing challenges in my career and achieving the goals of the organization, which will further develop my personal & social skills.

I do hereby certify that the particulars are mentioned above are true and correct to the best of my knowledge.

PD Kalum Saman Kumara,



## NON-RELATED REFREES

1. **SAMANTHA PANDITHA**

Chief Engineer,  
Light House Hotel PLC.  
Galle.

Sri Lanka.

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2. **SAMAN Lakmal. B.Sc.Eng, AMRINA(UK)**

Chief Design Engineer,

**Residence Address**

***Fair Curve Marine Design & Solution***

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*St Joseph Street, Negambo*

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