



# SAMEERA WAGAARACHCHIGE

## Design Engineer (Mechanical)

 Address: Tampere, Finland  
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 [LinkedIn](#)

 [Sameera Portfolio](#)

### KEY SKILLS

#### TECHNICAL SKILLS

- Mechanical Engineering & Product Development
- CAD/CAM Software: SolidWorks, AutoCAD, Mastercam
- Technical Drawings (Layouts, General Arrangements, Transport & Lifting Drawings)
- Manufacturing & Assembly Documentation
- Quality Assurance & Compliance (ISO, ASTM, AASHTO)
- CNC Machining & Production Processes
- Mechanical Testing & Rotating Systems
- Hydraulics & Structural Integrity Analysis
- Non-Conformity Management & Compliance
- Data Management & Reporting (Excel, MS Office Suite)

#### SOFT SKILLS

- Attention to Detail & Problem-Solving
- Collaboration & Teamwork
- Project Coordination & Multitasking
- Technical Documentation & Communication
- Adaptability & Continuous Learning

#### LANGUAGE SKILLS

- Sinhala: Native
- English: Fluent
- Finnish: Basics

### HOBBIES

- Engineering & Robotics
- Mechanical Design & Innovation
- Hiking & Cricket

### LICENSES & CERTIFICATIONS

- Occupational Safety Card (Valid EU-wide)
- EU Driving License (Categories A and B)
- Member, Society of Materials Science and Engineering (SOMSE)
- Associate Member, Institution of Engineers Sri Lanka (IESL)

### REFERENCES

Pulkkinen SannaKouluttaja | Tampereen Aikuiskoulutuskeskus TAKK  
Email: [sanna.pulkkinen@takk.fi](mailto:sanna.pulkkinen@takk.fi)  
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### PROFILE

Results-driven Mechanical Design Engineer with extensive experience in mechanical engineering, CAD/CAM design, quality assurance, and manufacturing processes. Skilled in technical design, hydraulics, structural analysis, and product lifecycle management. Proficient in SolidWorks, AutoCAD, and Mastercam with a strong background in customer delivery projects, technical documentation, and compliance with industry standards (ISO, ASTM, AASHTO). Adept at collaborating with cross-functional teams to optimize design solutions for the mechanical and manufacturing industry. Seeking opportunities to contribute expertise in mechanical systems, 3D modeling, and product development to a dynamic engineering team.

### PROFESSIONAL EXPERIENCE

#### Design Engineer | Materials Engineer

##### ACCESS ENGINEERING PLC

04/2021 – 08/2024

- Designed and optimized mechanical components and assemblies for large-scale industrial projects.
- Created technical drawings, layouts, and general arrangements for manufacturing and assembly.
- Collaborated with engineering teams to develop rotating systems and hydraulic solutions.
- Ensured compliance with ISO, ASTM, and AASHTO standards in mechanical installations.
- Conducted technical inspections and non-conformity management to enhance product reliability.
- Coordinated with Site Managers and Quality Engineers to align project specifications.

#### Quality Assurance Engineer

##### EDWARD AND CHRISTIE COMPANY

04/2017 – 04/2021

- Developed and executed mechanical quality assurance plans for manufacturing and construction projects.
- Conducted failure analysis, material testing, and compliance assessments.
- Monitored ISO standards compliance and recommended corrective actions.
- Assisted in the design and optimization of mechanical components and assemblies.
- Managed engineering documentation, reporting, and technical compliance records.

#### Laboratory Materials Engineer

##### K D EBERT SONS & HOLDINGS (PVT) LTD

08/2015 – 04/2017

- Designed and optimized mechanical components and assemblies for large-scale industrial projects.
- Created technical drawings, layouts, and general arrangements for manufacturing and assembly.
- Collaborated with engineering teams to develop rotating systems and hydraulic solutions.
- Ensured compliance with ISO, ASTM, and AASHTO standards in mechanical installations.
- Conducted technical inspections and non-conformity management to enhance product reliability.
- Coordinated with Site Managers and Quality Engineers to align project specifications.

### EDUCATION

- **Vocational Qualification in Mechanical Engineering and Production Technology**  
Tampere Adult Education Centre, Nirva Campus - 08/2024
  - Focus: CNC Machining, CAD/CAM Programming, Robotics, and Data Modeling
- **BSc (Honours) in Materials Science and Engineering**
  - University of Moratuwa, Sri Lanka - *Graduated: 06/2015*
  - Focus: Polymer Engineering, Construction Materials, and Total Quality Management