

# Norfatin Hazirah Mohd Idris

## FRESH GRADUATE MECHANICAL ENGINEER

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### Summary

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Recent Mechanical Engineering graduate with proven success in quality control, machine maintenance, and ISO 9001:2015 compliance during internships at top-tier manufacturers. Skilled in CAD design, root cause analysis, and production optimization—ready to deliver immediate value in fast-paced engineering environments

### Experience

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#### VS Industry Sdn. Bhd | Quality Engineering Intern

Jul 2024 – Oct 2024

- Conducted 150+ IQC inspections on resins, axles, and LSR using calipers and smartscopes; kept defect rate under 2%.
- Performed OQC checks on 40+ shipments; ensured 100% on-time delivery and zero complaints.
- Maintained accurate quality reports via Microsoft Dynamics SL with 99% data accuracy.
- Supported ISO 9001:2015 documentation and root cause analysis for non-conformities

#### Texas Instruments Electronics Malaysia | Technician Intern

Mar 2021 – Jul 2021

- Inspected and maintained 40+ die-attach machines daily; reduced downtime by 20%.
- Set up 15+ machines for new products; improved production efficiency by 15%.
- Extended machine lifespan by assisting in maintenance of 20+ components.

### Education

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#### Universiti Teknologi Malaysia (MJIT), Bachelor in Mechanical Precision Engineering

2025

- Vice President, Premech Student Society 2023/2024
- **Final Year Project:** *Underwater Colour Correction for Enhanced Object Detection* – Developed and determined algorithms for image processing and colour correction in underwater images, significantly improving object detection accuracy.
- CGPA : 3.12

#### Politeknik Ibrahim Sultan, Diploma in Mechanical Engineering

2021

- Head of Department's Award (every semester)
- **Final Year Project:** *Escalera Estable* – Ergonomic ladder with leveling and safety features for use on edges and uneven surfaces.
- CGPA : 3.75

### Skills

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AutoCAD, Fusion 360, Inventor, CAM, C++, Microsoft Office, Data Analysis, Quality Control, Mechanical Design, Manufacturing Processes, Lean Six Sigma, 5S, Root Cause Analysis, Digital Calipers, Smartscopes, Microsoft Dynamics SL.