

Amal Suresh

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Mechanical Engineering
Bachelor of Technology
Government Engineering College Idukki

SUMMARY

Highly motivated engineer seeking entry level oppurtunities.

EDUCATION

- **Bachelor of Technology in Mechanical Engineering** 2020-24
Government Engineering College Idukki CGPA: 6.92/10
APJ Abdul Kalam Technical University
- **Higher Secondary Education** 2018-20
Government Higher Secondary School, Kaniyanchal, Kannur Marks: 87%
Kerala State Board of Higher Secondary Education
- **High School Education** 2017-18
Government Higher Secondary School, Kaniyanchal, Kannur Marks: 98%
Kerala State Board of Education

INTERNSHIP

- **Southern Railway Diesel Locoshed** Sept 18-24, 2023
7-day Internship
 - I participated in a 7-day internship programme at Southern Railway Diesel Locoshed, Ernakulam.
 - Gain exposure to the overall functioning of a locoshed and its role in railway operations.
 - Understand the operational aspects of railway systems, specifically related to diesel engines.
- **Cochin Shipyard Limited** Sept 25-30, 2023
5-day Internship
 - I participated in a 5-day internship programme at Cochin Shipyard Limited Ernakulam.
 - Gain practical experience in shipbuilding, repair, and maritime engineering.
 - Understand the functioning of a prominent shipyard and the broader maritime industry.

PROJECTS

- **Automated solar panel cleaner** 2023 - 2024
Final year project
 - Developed an innovative automated cleaning system for solar panels using water, aimed at enhancing panel efficiency.
 - Implemented a water filtration mechanism to recycle water, reducing water consumption and environmental impact.
 - Incorporated temperature sensors to initiate cleaning cycles based on panel surface temperature, ensuring optimal performance.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C, Python.
CAD Software: AutoCAD, Solidworks.
Simulation and analysis: ANSYS Workbench.
Machine Design: Machine elements, Mechanical component design.
Manufacturing Processes: CNC machining, Welding, 3D printing.
Relevant Coursework: Design, Manufacturing, Thermodynamics, Instrumentation, Fluid mechanics, Heat transfer.
Soft Skills: Team Work, Self-learning, Leadership, Communication, Volunteering, Adaptability, Time management.

EXPERIENCE

–Querencia Drawing Club GECI

2022 - 2023

Treasurer

- * Managed the club's finance, ensuring accurate record-keeping of income and expenses.
- * Handles finance's.
- * Skills: • Leadership • Volunteering • Communication • Team Work • Time Management

– Querencia Drawing Club GECI

2023 - 2024

Secretary

- * Efficiently coordinated meetings, managed membership records, and assisted in event planning.
- * Supporting event coordination for seamless club events.
- * Skills: • Leadership • Communication • Team work • Time management

–Kerala Knowledge Economy Mission

Sept 2023 - 2024

Career Ambassador

- * Connects college and Kerala knowledge economy mission.
- * Skills: • Leadership • Communication • Team work

–OASIS Club GECI

2022 - 2024

Volunteer

- * Engaged in diverse volunteer activities.
- * Skills: • Leadership • Communication • Team work

CERTIFICATIONS

- Participating in BMW workshop as a part of Octane'22,National Level Technical Fest held by ASIET.
- Workshop on the Basics of AutoCAD and SketchUp organized by Techmaghi in association with KSHITIJ, IIT Kharagpur.
- One day workshop on "Self Driving Electric Vehicles" organised by Techmaghi in association with KSHITIJ, IIT KHARAGPUR.
- For participating the workshop on “Design Thinking and 3D Printing”,organized by IEDC RIT from 31-05-2021 to 04-06-2021.

PERSONAL DETAILS

- Date of Birth:** 4th October 2001
- Languages:** English, Malayalam, Hindi