

GAUTHAM KUNJITHAPATHAM

Ras Al Khaimah, UAE.

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Career objective:

Highly Motivated Mechanical Engineering graduate, willing to effectively show case the technical and professional skills that I have developed in the mining industry (**Maintenance**) to actively assist the company with their upcoming challenges that will ultimately aid organizational and personal growth.

EXPERIENCE:

Mobile Plant Administrator / Maintenance / Reliability Engineer – STEVIN ROCK, Ras AL Khaimah, UAE

-Workshop Maintenance - earthmoving equipment's – (APR 2021 – Present) (**1.8 Year's**)

- **Highly analytical, performance-driven** engineering professional with more than 1 year of experience.
- Worked as a part of the **transformational team** to assist the organization towards a **major transition** with negligible **impacts**.
- Demonstrate continuous improvement of equipment and system reliability by applying the appropriate Reliability Centered Maintenance Strategies, measured by MTBF, OEE & Mechanical Availability.
- Maintain **budget performance** by reducing maintenance costs of frequent **failure mechanisms** (Bad Actors), to be measured by project ROI and budget compliance.
- Implemented a breakdown capturing system (Online) to get a detailed planning and control over the fleet and its related breakdowns. Perform **equipment failure analysis** to prevent reoccurrence.
- Develop/create inspection plans for site equipment and setting up maintenance plans in **Power APP**.
- Planned workforce use, space requirements and ensure **85%** of equipment's availabilities. Had to maintain a workforce of 9 members on the **Asset Maintenance (AMT)** across each site.
- **Developed a POWER APP for the management to get the workshop details all at a glance.**
- Conducted **field inspections to identify defects and system and component level** as a part of reliability engineering.
- Assist operations with **equipment troubleshooting and Failure mode and effect analysis**.
- Developed an **automatic planning System** to be more accurate on the Services done across an fleet of **600Pcs of Heavy and light equipment's**.
- Established and maintained **PIT-CONTROL** to assist attend the breakdowns and to **maintain the KPI'S** and **maintained a group of 6** in each site.

EDUCATIONAL QUALIFICATION:

| QUALIFICATION | UNIVERSITY/SCHOOL | YEAR | MARKS |
|-----------------------------|--|-------------|---|
| MBA (Operations Management) | Jaipur National University | 2022-2024 | - |
| BE (MECHANICAL ENGINEERING) | ANNA UNIVERSITY | 2016 - 2020 | 7.73 – CGPA (FIRST CLASS WITH DISTINCTION) |
| CADD | Professional degree in DESIGN and ANALYSIS | 2019-2020 | A+ and CADD certified professional |
| Higher Secondary | VVMHS (METRICULATION) | 2015-2016 | 83.16 % |
| 10 th (CBSE) | INDIAN SCHOOL RAS AL KHAIMAH (UNITED ARAB EMIRATES) | 2013-2014 | 8.4- CGPA |

ACADEMIC PROJECT:

- **EXPERIMENTAL ANALYSIS AND FABRICATION OF SOLAR STILL WITH NANO FLUID AS THE WORKING MEDIUM. (MAJOR PROJECT) (2020).**

With the help of NANO FLUIDS and evaporation the abundant seawater is converted into drinkable and desalinated water to resolve and drive out the water demand in the world.

- **DESIGNED AND MANUFACTURED A OFF ROAD VEHICLE FOR AUTO SPORTS INDIA (2019).**

As a power train lead, I have Manufactured an off-road vehicle for the endurance competition to compete in through terrain.

PUBLICATIONS:

- Published an **international journal** on the **various effects of nanofluids in** (ELSEVIER)

LINK: (<https://www.sciencedirect.com/science/article/pii/S221478532034743X?via%3Dihub>)

ACQUIRED SKILLS:

MECHANICAL SKILLS:

- Troubleshooting of Mechanical Issues.
- Trained component rebuilds on catengines and control block (HYD).
- Trained on FMS Installations.
- Hydraulic Troubleshooting.

IT SKILLS:

- MS Office 365.
- CATIA.
- ANSYS.
- Solid Works.
- Auto Cad.

KEY SKILLS:

- A quick learner with can do attitude.
 - Project and Operations management skills.
 - Thrive in deadline driven environments.
 - Excellent team building skill
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ACADEMIC ACHIEVEMENTS:

- Obtained a cash reward for securing **THIRD PLACE** in the **ANNA UNIIVERSITY EXAMS** with high grades in all the six subjects during the academic year.
 - Had secured **SECOND PLACE** in the **NATIONAL LEVEL TECHNICAL SYMPOSIUM** at national institute of technology Trichy.
 - Had secured **FIRST PLACE** in the **GREEN HOUSE DESIGN** held at national institute of technology Trichy.
 - Awarded a certificate for the representation of the college in the **society of automobile engineers** in various events during the year (**Design of Chassis with best structure and low cost**).
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PERSONAL DETAILS:

- Date of Birth : 24th JULY 1998.
 - Gender : Male.
 - Nationality : Indian.
 - Passport : valid till 2024.
 - Driving license : INDIAN / UAE driving license.
 - Languages Known : Tamil, English, Malayalam and Hindi.
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DECLARATION:

I do hereby declare that all the above particulars are true to the best of my knowledge and belief and I conform that I know I would be held accountable if any details given above are found incorrect or false.

Place: Ras Al Khaimah

Yours Faithfully
Gautham Kunjithapatham
