

# SWATHI PRABHAKAR

DEDICATED QUALITY ENGINEER DRIVING EXCELLENCE IN ELECTRIC VEHICLE MANUFACTURING

+917204708718

[PRABHAKAR.SWATHI21@GMAIL.COM](mailto:PRABHAKAR.SWATHI21@GMAIL.COM)

Bengaluru, Karnataka

## PROFILE

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Dedicated Quality Engineer with over 5 years of proven expertise in ensuring top-tier standards of product quality and reliability within the electric vehicle industry. I've been proficient in calibration, functional testing, and engineering drawing verification, I've driven efficiency and precision through initiatives, supported by advanced software proficiency in tools like GageTrak and BTS. My knack for Root Cause Analysis (RCA) enables me to identify and resolve issues effectively. Recognized for unwavering commitment, I've maintained exceptional performance during challenges, including the pandemic. Beyond my professional achievements, I'm a skilled storyteller, adept at crafting engaging blogs, articles, and stories, alongside talents in photography and video editing. With a passion for continuous learning and personal growth, I aim to leverage my multifaceted skills to contribute to innovative organizations focused on excellence.

## SKILLS & ABILITIES

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- Calibration and Inspection Quality Control (IQC, IPQC, EOL)
- - Documentation and Communication
- - Problem-Solving and Analysis
- - Engineering Drawing Verification
- - Root Cause Analysis (RCA)
- - Social Media Collaboration
- - Training and Mentoring
- - Internal Communication
- - AutoCAD (Basic Level)
- - Functional Testing and Test Bench Operation
- - Records of Inspection (RIS) and Areas of Improvement (AOI) Management
- - Supplier Report Validation
- - Goods Received Note (GRN) Clearance
- - Prototyping and Issue Resolution (AIMS)
- - Cross-Functional Collaboration
- - Process Improvement (Kai-zen)
- - New Project Development Assessment
- - Training Program Design and Delivery
- - Technical Writing and Blogging
- - Software Proficiency: GageTrak, BTS, SAP (QM module), Jira, MS Office
- - Quality Assurance Methodologies (7QC Tools, 8D)
- - Communication Skills: Verbal and Written
- - Engineering Change Notices (ECN) and Engineering Change Requests (ECR)
- - Problem Identification and Solution Implementation

## EXPERIENCE

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### Simple Energy | 13-06-2022-Present

- Conducted comprehensive functional tests on Electronic parts using the Integrated Test Bench, contributing to optimal product performance.

- Developed and maintained detailed checklists for streamlined and accurate inspection processes.
  - Validated and guaranteed precision in supplier reports, an integral part of continuous inspection activities.
  - Championed the creation, updating, and management Receipt inspection standard (RIS) and Agreement of inspection (AOI) to address Quality concerns.
  - Crafted meticulous work instructions and test procedures, further enhancing the accuracy of inspections.
  - Verified engineering drawings against Engineering Change No (ECN) and Engineering Change Requests (ECR) for compliance.
- Ensured seamless operations by facilitating Goods Received Note (GRN) clearance at the Incoming Quality Control stage.
  - Managed rejected parts, maintaining custodianship and ensuring timely Return to Vendor (RTV) processing.
  - Gained invaluable expertise during the proto build process, identifying and resolving software and hardware issues through AIMS.
  - Led documentation efforts for both Incoming Quality Control (IQC) and Supplier Quality Assurance (SQA) functions.
  - Collaborated with the social media team, contributing to the effective promotion of product quality and innovation.
  - Authored blogs and articles to demonstrate thought leadership and industry expertise.
  - Conducted training sessions for junior team members, contributing to their skill development and knowledge enhancement.
  - Spearheaded internal communication initiatives, ensuring effective information dissemination across the team.
  - Utilized AutoCAD at a basic level, enhancing technical skills and contributing to project development.
  - Analyzed drawings during new project development, proactively identifying potential issues and future challenges.
  - Demonstrated exceptional problem-solving skills by conducting and resolving new project issues.
  - Collaborated with cross-functional teams to address and resolve new project challenges effectively.

### ***Ather Energy Quality Engineer | Bengaluru, Karnataka | 4-02-2019 - 6-06-2022***

- Spearheaded the calibration and inspection processes, ensuring optimal performance of internal and external instruments.
- Played a pivotal role in maintaining product quality by specializing in Gagetruk software for precise measurements.
- Collaborated closely with vendors to facilitate external calibrations, ensuring adherence to stringent standards.
- Verified NABL certified calibration certificates to ensure accurate equipment calibration.
- Led the execution of cell inspection and cell cyler testing, contributing to the enhancement of product reliability.
- Conducted rigorous incoming quality inspections for Battery & Vehicle Assembly parts.

- Created and maintained comprehensive checklists for regular inspection activities, ensuring thorough assessments.
- Coordinated with Engineering teams to resolve functional error codes for Electronic parts in the Integrated Test Bench.
- Initiated the use of Kai-zen principles, resulting in streamlined operations and improved efficiency.
- Championed containment actions for line rejects and IQC rejections on priority, ensuring seamless production.
- Assumed decision-making authority for Electronic parts at the IQC level, contributing to efficient quality control.
- Collaborated closely with the Engineering team to address and resolve functional Error codes on test bench level.
- Utilized QC tools to analyze data and identify areas for continuous improvement.
- Played a key role in Customer Quality interactions, discussing and analyzing field complaint parts.
- Active participant in daily communication meetings with team members, addressing and resolving IQC issues.
- Contributed to building battery packs and conducted Root Cause Analysis (RCA) activities to enhance product reliability.

## EDUCATION

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### Electronics and communication in Engineering

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## CERTIFICATES

- **Safety Training Certificate:** Successfully completed safety training, demonstrating commitment to maintaining a secure work environment.
- **Gagetrak Software Completion Certificate:** Attained certification in Gagetrak software, showcasing proficiency in calibration and quality control processes.
- **Outstanding Performance during Pandemic:** Continued dedicated work during the pandemic, highlighting resilience and adaptability in challenging circumstances.