







# Sivapragasam Ayydurai

-  qc.siva@gmail.com
-  +918754780861
-  15/04/1987
-  Married
-  Thuraiyur , Tamil Nadu
-  Indian

## LANGUAGES

- Tamil
- English
- Kannada

## EDUCATION

- Bachelor Of Computer  
Application (BCA),  
Madras University

2018 | Singapore
- Diploma in Electronics and  
Communication Engineering,  
S.C.S.M Polytechnic College

2006 | Namakkal
- Higher secondary,  
S.M.B.Hr .Sec. School

2003 | Namakkal



## TEAM LEADER WITH EXPERTISE IN TECHNICAL SUPPORT

### Technical Profile

#### Non-IT Experience:

Results-driven Assistant Engineer with 10 years of extensive experience in Li-Polymer Gel Mixing,GEL-coating machine maintance and production, Cylindrical battery Front and Back assembly (Can welding, Beading, EL-injection,SV insertion, Crimping and sizing, Washing,Tubing, X-ray). Proficient in overseeing and optimizing the Li-polymer Battery and Cylindrical battery production Process, ensuring adherence to quality standards and specifications. Skilled insetting up and maintaining production machines, troubleshooting technical issues, and conducting equipment calibrations. Possess a keen eye for detail,ensuring accurate data recording and thorough documentation. Strongproblem-solving abilities, effective communication skills, and a commitment to continuous learning, contributing to enhanced productivity and successful Li Polymer battery and Cylindrical battery manufacturing operations.

#### IT Experience:

Results-oriented professional with over 14 years of experience in manufacturing and recent certification in Full Stack Development from GUVI Institute. Proficient in the MERN stack, with expertise in developing responsive web applications and managing databases. Skilled in leading teams, troubleshooting technical issues, and optimizing processes. Adept at leveraging transferable skills such as problem-solving, team coordination, and data analysis in IT roles.

### Competencies

- Team Leadership
- Problem-Solving
- Quality Control
- Process Optimization
- Gel Mixing Expertise
- Cylindrical battery Front assembly, Back assembly Production
- Maintanance
- Safety Compliance
- Data Analysis

### Full Stack Developer

2024 – present

- Designed and developed a Job Portal webapp using the MERN stack.
- Implemented responsive UI with React and Bootstrap, ensuring cross-device compatibility.
- Created RESTful APIs for efficient data management and integrated MongoDB for database operations.

## SKILLS

Training & Development ● ● ● ● ●

Machine Operation & Maintenance ● ● ● ● ●

Communication & Reporting ● ● ● ● ●

Team Leadership & Coordination ● ● ● ● ●

Quality Control & Standards Compliance (QCS, MCS) ● ● ● ● ●

Problem-Solving & Troubleshooting ● ● ● ● ●

Root Cause Analysis & Corrective Actions ● ● ● ● ●

Full Stack Development ● ● ● ● ●  
React, Node.js, Express, MongoDB

Frontend  
HTML, CSS, JavaScript, Bootstrap

Backend  
RESTful APIs, Database Management

Tools  
Git, Visual Studio Code

## Lingam Mobile Solutions, Mobile,Laptop,computer Service Technician

2021 – present | Trichy, India

- **Mobile & Device Troubleshooting:** Expertly diagnose and repair a wide range of mobile devices, including Android and Apple smartphones. Specialize in software and hardware troubleshooting, including device unlocking, OS flashing, and system restores.
- **OS & Software Installation:** Proficient in installing, configuring, and troubleshooting various operating systems, including Windows, Ubuntu Linux, and VirtualBox for PCs and laptops. Skilled in data recovery, backup solutions, and system optimization for optimal performance.
- **Advanced Hardware Diagnostics:** Conduct in-depth analysis and repair of mobile, PC, and laptop hardware issues by interpreting schematic diagrams and tracing circuit lines to pinpoint faults. Ensure accurate component-level repairs and system refurbishments.
- **Remote Troubleshooting:** Provide efficient remote support for troubleshooting mobile, PC, and laptop issues using tools like TeamViewer and AnyDesk, assisting customers with real-time problem resolution and remote repairs.
- **Data Recovery & Backup Solutions:** Expert in diagnosing and recovering data from damaged devices. Provide backup solutions to clients to prevent data loss during system updates, repairs, or OS installations.
- **Vendor & Supplier Relations:** Manage relationships with mobile device vendors, PC hardware suppliers, and software providers to ensure quick access to replacement parts, tools, and updates.

## Murata energy devices Singapore (Previously Known as Sony Electronics devices Pte Ltd), Technical specialist

04/2010 – 08/2020 | Singapore

- **Team Coordination:** Lead a team to achieve daily production targets by assigning tasks, managing team schedules, and ensuring efficient break times (tea and lunch breaks).
- **Daily Target Achievement:** Consistently met or exceeded production goals through effective team coordination, proactive problem-solving, and task management.
- **Machine Operation Monitoring:** Supervised machine operations to identify and resolve issues promptly, minimizing downtime and maintaining smooth production flow.
- **24/7 Troubleshooting Support:** Provided round-the-clock support for machine troubleshooting, ensuring minimal disruptions and continuous operation.
- **Performance Tracking:** Documented daily machine performance, including troubleshooting logs, hourly downtime, output, rejection rates, and reasons for rejections to identify trends and improve performance.

- **Performance Reports:** Created detailed charts and reports to analyze machine efficiency and presented key performance insights during daily team meetings.
- **Quality Assurance:** Ensured adherence to company quality standards (QCS and MCS) and maintained a safe, efficient work environment.
- **Quality Improvement Initiatives:** Lead efforts to reduce rejection rates by implementing quality improvement activities, ensuring compliance with established quality control standards.
- **Machine Performance Optimization:** Identified recurring issues in machine performance and collaborated with engineers to develop and implement preventive measures.
- **Technical Training:** Trained and guided production technicians on troubleshooting machine and quality-related issues, fostering a skilled and knowledgeable team.
- **Production Scheduling:** Developed and implemented production schedules to ensure operational goals were met efficiently, optimizing workflow and resource allocation.
- **Process Optimization:** Suggested and implemented improvements to PLC programs, such as tightening defect piece pass-down functionality, which enhanced overall machine efficiency.
- **Documentation Improvement:** Enhanced reporting accuracy and efficiency by developing systematic documentation processes, ensuring precise and timely reporting of machine performance and production metrics.

#### **Micro pack pvt ltd, Junior supervisor**

2007 – 2009 | Bangalore

- **PCB Testing & Quality Control:** Conducted thorough testing of bare PCBs using engineering files to identify any shorts, track cuts, or other defects. Ensured all boards met quality standards before moving to the next department.
- **Flying Probe Testing:** Operated and maintained Flying Probe Test systems to perform automated electrical testing on PCBs. Ensured the accurate detection of faults such as open circuits, short circuits, and incorrect component placements.
- **Engineering File Interpretation:** Used engineering files to cross-reference and verify the integrity of the bare boards, ensuring all design specifications were met. Maintained attention to detail to ensure accurate testing and high-quality output.
- **Collaboration & Reporting:** Worked closely with engineering and quality assurance teams to communicate testing results, and provided feedback on common issues for continuous improvement in the manufacturing process.
- **CNC Machine Operation:** Operated CNC machines to fabricate precise components for PCB production, ensuring all parts met dimensional specifications and tolerances required for high-quality board assembly.

- **Process Improvement:** Contributed to process improvement initiatives by identifying recurring testing issues, suggesting solutions, and implementing changes to streamline testing procedures and reduce failure rates.
- **Test Documentation & Record-Keeping:** Maintained accurate records of all test results, repair activities, and quality control measures for traceability and continuous improvement.
- **Troubleshooting & Problem Solving:** Quickly diagnosed and resolved issues related to faulty PCBs, collaborating with cross-functional teams to implement corrective actions and prevent recurring defects.

#### **HCL Pvt Ltd, QC Inspector**

2006 – 2007 | Pondicherry

- **Incoming Product Quality Control:** Performed quality checks on a wide range of computer components and peripheral devices upon arrival, including hard disks, motherboards, SMPS, printers, CD drives, and graphic cards. Conducted random sampling to ensure all products met functional and quality standards before entering production.
- **Version & Specification Verification:** Compared incoming products with previous stock to identify any version changes or discrepancies. Ensured that new shipments adhered to the latest production standards and specifications, preventing errors during assembly and production.
- **Tool-Based Testing:** Utilized specialized testing tools to assess the functionality of all incoming products and peripherals. Conducted electrical and performance tests on motherboards, processors, memory modules, printers, and graphic cards to confirm their readiness for the next stage of production.
- **Troubleshooting & Fault Diagnosis:** Diagnosed and resolved hardware issues for a variety of computer components and peripherals, including hard disks, processors, memory, and printers. Applied troubleshooting techniques to identify and correct defects, minimizing delays and improving production flow.
- **System Installation & Configuration:** Installed and configured operating systems (Windows, Linux) and software on computers, ensuring proper integration with hardware components and optimal functionality. Performed system updates and troubleshooting for operating systems and installed software.
- **Production Standards Compliance:** Verified that all incoming components and products adhered to the company's quality assurance guidelines and industry standards. Documented and reported any defects or discrepancies to management for corrective action.
- **Documentation & Reporting:** Maintained detailed records of incoming product checks, test results, and any issues discovered. Generated comprehensive reports for management and quality control teams to facilitate timely resolutions and continuous improvement.

- **Supplier Coordination:** Collaborated with suppliers to resolve quality concerns, ensuring that any defective or non-conforming products were returned or reworked in a timely manner. Worked to strengthen relationships with vendors to improve the quality and consistency of incoming products.
- **Preventive Maintenance:** Conducted routine maintenance on hardware components and devices, performing necessary repairs or reworks to ensure all parts met production standards before assembly.