

# Atanu Mukherjee

Technical assistance

MOSHIARA, MOSHIARA, HIRBANDH, BANKURA, WEST BENGAL, INDIA

(+91) 7602120209 | atanumukh71@gmail.com

## Carrier objective

Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company. Successful Consulting QA/QC and production line process experience in the Technology sector including product research and management & customers relations. Seeking a position in the area of Production, Quality that shall provide an opportunity to integrate my educational Knowledge, work experience, and aspiration to build quality assured innovative assembly, production, Quality & Supporting through team work for the benefit of modern world, thereby achieving one of the organizational level objectives.

4+ years of experience in Debugging of electronics circuit. Both company is an ISO-9001, ISO-14001 series company, is a Leading Electronics Manufacturing Production base and Prototyping Manufacturing (R&D) base company. Offering Diverse EMS Portfolio which includes Design, Development, Manufacturing Services with successful track records of consistently improving the Process.

## Education

### B.Tech in Electronics & Communication Engineering

Mallabhum Institute of Technology, MAKAUT

Bishnupur, Bankura

Session : 2018 - 2021

Grade : 7.86 DGPA

### Diploma in Electronics & Telecommunication Engineering

Bengal Institute of Polytechnic, W.B.S.C.T.E.

Birbhum, West Bengal

Session : 2014 - 2017

Percentage : 76.0%

### Matriculation

Harit High School, W.B.B.S.E

Hooghly, West Bengal

Passout : 2014

Percentage : 60%

## Experience

**Chip & Wire Technician** *Bangalore, Karnataka, India* CENTUM ELECTRONICS LIMITED. (06 JUN 2017 - 19 NOV 2019)

- Responsible for productivity as per Schedule.
- Actively participated in MIC fabrication.
- Manpower and Material Management According to Production plan.
- All type of SMD and LEADED Components Assembly.
- PCB die - Attachment.
- Cables Assembly/Harness Assembly.
- Transistor/Mosfet/Diode/Resistor/Capacitor/Inductor Mounting and Soldering.
- All types of MMIC Attachment. (Monolithic Microwave Integrated Circuit)
- Feedthrough Attachment and Soldering.
- Eutectic Attachment.
- Hand on Experience for using all type of Electronics instrument.
- Testing and fabrication of Electronics parts and required different accessories for the research work purpose.
- Knowledge of operation, electronic system, soldering technique, maintenance of the electrical, wire harness fabrication, tooling and testing, PCB assembly.
- Hand on experience on Component soldering and Component Re-work, PCB Re-work.
- According to Schematic diagram circuit Testing and find out the problem And solved it using the debugging process.

**Technical Assistance** *Ahmedabad, Gujarat, India* AEROSPACE HYBRID CIRCUIT TECHNOLOGY PVT. LTD. 10 DECEMBER 2019 to STILL NOW

- Daily activity report
- PCB fabrication in inhouse process on single and Double side FR4 and Kepton, aluminium pcb.
- Experience in power electronics circuit like (DC-DC, AC-DC, DC-AC) SMPS, BUCK and BOOST converter.
- Documentation's of daily report and project report on google docs/ sheets.
- Working on SMD and PTH component and power electronics component and harness fabrication.
- Maintaining the pcb component inventory and BOM file.
- Experience in Production, Assembly and Maintenance of hardware in Electronics industry
- Troubleshooting, Circuit Debugging.
- Monitoring the process Flow in each & Every stage of Production is as per required Specification.
- Ensure the safety of operators, respect of equipment and Environment.
- Process inspection verifying work order Requirements, 5s, ESD, Equipment temperature and Humidity, etc.
- Document and utilize current production procedures to improve company standards and production department
- Component testing, PCB track testing, problem solving.
- Line inspection & monitoring machine.
- Responsible for achieving daily/Monthly production targets- Silver, Gold, Non-Conductive Epoxy Application.
- Involvement in new Product Development.
- Wire Bonding like (Wedge-Wedge, Ball-Wedge) 1Mil, 0.7Mil, 0.5Mil, CP to Substrate Attachment.
- Handling all types of PCB and Component Soldering (SMD, PTH)
- Sawfilter bonding and Diode bonding.
- 20Mil, 10Mil, 5Mil Gold Ribbon by Parallel gap Welding.
- Micro Wave oven and Glitter Application.
- RTV (Room Temperature Vulcanization) & Araldite Application.
- Return losses tuning in IBT (Initial Bench Testing)
- Having knowledge of chip and wire processes like attaching the component on to the Aluminum substrate, substrate to package attachment, active components wire bonding using 1mil and 1.5mil gold wire and Aluminum Wire, 12\*12 Mil Ribbon Wire as per the ISRO Requirements.
- Hands on Experience in Manual Soldering and De-Soldering Application.

## Instrument knowledge

- Lcr Meter
- Power supply
- Multimeters
- DC source
- Function Generator
- Soldering station & Hot air gun and Reflow
- CRO and Curve Tracer
- All type of testing Jigs
- AC-DC power supply and rectifier

## Project

- S-Band and Ku Band Amp.
- C-Band and X-Band LTCC
- SSPA-Ku Band and Saw filter
- Channel Amplifier
- Receiver and EDU projects for the customer of SAC/BDL/DRDO.

## Training & Awareness

- ISRO training for Mil grade and Space grade device testing, Component Screening and Assembling.
- HI-REL Electronics fabrication for use in space hardware, however qualification requirement in workmanship standard for fabrication of Microwave Integrated Circuit (MIC).
- ISRO PAX-305 Qualified.
- Fire fighting and First Aid, Kaizen Activities, CAPA, ESD, MSD, ESC Training, RCA, Cause and Effect Diagram.
- Aerospace AS-9100, QS Standards, ISO-9001 (EMS), ISO-14001 (QMS) Training.
- Knowledge about Class - (100, 1000, 10000, 100000) Clean Room Environmental.

## Software knowledge

- MS-Office and google docs.
- Excel and PowerPoint.
- Basic knowledge about IDC Arduino.

- Basic knowledge C,C++

## **Machine knowledge**

- Laminar air flow.
- Reflow Soldering.
- AC-DC power supply and rectifier.

## **Strength**

- Self confidence,Enthusiasm and Endurance.
- Excellent interpersonal skill to communicate with people of varied capabilities and interests.
- Passion to learn new things to enrich my Knowledge and update myself.
- Ability to Communicate well.
- Coordinating with Team.
- Commitment and Dedicated to work.
- Self Motivate person.
- Socially responsible citizen participated in plantation,Anti-Corruption.

## **Skills**

- Knowledge in fabrication of RF & FM project for SAC customer.
- Knowledge in Mechanical Quality IGI,process and planning.
- Worked on Channel Amplifier, Receiver and EDU project for the Customer of SAC/BDL/DRDO.
- Hands on Experience of Rework Techniques for different components used in Assembly.
- Excellent in Operate and Monitor Machines.
- Knowledge of KAIZEN, 7QC Tools, 6 Sigma, Customer Audit, 5'S.
- Knowledge of Electro Static Discharge (ESD) and Moisture Sensitive Device (MSD)

## **Personal Details**

- **Date of birth** :- 08/12/1998
- **Gender** :- Male
- **Languages known** :- English, Hindi, Bengali
- **Nationality** :- Indian

## **Declaration**

- I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:  
Place:

Atanu Mukherjee