CORE COMPETENCIES

Hospital Asset Management
Equipment Lifecycle Management
Biomedical Equipment Maintenance
Product Testing & Validation
Audit Documentation & Regulatory
Preventive & Corrective Maintenance Planning
Data Uploading, Validation & QA
Compliance (ISO 13485, IEC 60601)
Hospital Operations & Stakeholder Coordination

CONTACT DETAILS

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Thiruvarur District, Tamil Nadu
India-613702

LANGUAGE

English, Malayalam, Arabic, Tamil

MOHAMED IRFANUDEEN R.S

Biomedical Engineer

CAREER SUMMARY

Biomedical and Asset Management Engineer with hands-on experience in hospital asset lifecycle management, preventive and corrective maintenance planning, RFID-based asset tracking, and regulatory compliance. Proven ability to manage biomedical, laboratory and Non-Biomedical equipment across multi-department hospital environments. Strong expertise in data-driven maintenance planning, documentation and enterprise hospital asset management systems to improve equipment uptime, patient safety, and operational

PROFESSIONAL EXPERIENCE

Proteger AI Private Limited., Bangalore (Jan -Dec 2025)

Biomedical Asset Management Specialist - Client Assignment: BLDE Deemed to be University **(Apr-Dec 2025)**

- Conducted asset inventory Audits, supported equipment lifecycle management, ensuring compliance with hospital and industry standards. Collaborated with hospital teams and vendors to improve asset management workflows, documentation, and regulatory reporting**.**

Junior Biomedical Engineer (Jan-Apr 2025)

- Researched RFID-based asset tracking systems for integration into Vajra hospital asset management software.Carried out product testing, functional validation, and API testing

Key Achievements:

- Led and supported hospital-wide physical audits across 30+ units**.** Reviewed and consolidated historical invoice documentation **(**2008–2025**)** to establish accurate asset traceability
- Played a key role in VAJRA asset data upload, validation, and deployment Contributed to improved asset traceability and audit readiness**.** Recognized by hospital authorities for dedication, accountability, and professionalism

SKILLS

- Communication
- Leadership
- Project Management
- Audit Documentation & Reporting
- Product Testing & Quality Assurance
- Sales & Customer Management
- Teamwork & Collaboration
- Compliance & Regulatory Documentation Support
- Product Development

PATENT

G Samuelraj Chrysolite, **Mohamed Irfanudeen**, Antojose "A wearable eyelid antenna sensor for real-time driver drowsiness monitoring," Patent published., 2025, Application No: **202541031148**

TECHNICAL SKILLS

Programming: Python, C Program

Tools & Software: Altair FEKO, LabVIEW, Postman, MS Excel, Power Query, MS PowerPoint, MS Word, Google spreadsheet AutoCAD, Arduino IDE, PyCharm, VS Code

Standards & Systems: ISO 13485, ISO 14971, IEC 60601, RFID & IoT Systems

Biomedical Engineer Intern – Prashan Medical Technologies., Coimbatore (May– June 2024)

- Participated in installation, calibration, and performance verification of critical care and diagnostic equipment.
- Assisted with troubleshooting activities under senior engineer guidance.

Biomedical Intern - ThiruvarurMedical Centre., Tiruvarur (May-June 2023)

- Assisted in documenting device performance**,** fault reports, and maintenance records to enhance reliability and compliance.

EDUCATION

B.Tech, Biomedical Engineering with specialization in AI & ML at Karunya Institute of Technology and Sciences **(2021 – 2025)**

CGPA:8.47.

Class 12, O.M.D Matriculation Higher Secondary School. (2021)

State Board of Tamilnadu.:88.1%

Class 10, O.M.D Matriculation Higher Secondary School (2019)

State Board of Tamilnadu.:86.4%

PROJECTS

- Developed a machine learning-based gastrointestinal disease classification system using endoscopic images, supporting faster and more accurate clinical decision-making
- Designed and implemented a CNN-based blood group detection system, improving diagnostic classification accuracy
- Designed, simulated, and tested a wearable eyelid antenna sensor using Altair FEKO, enabling real-time driver drowsiness detection
- Built Arduino-based prototypes for driver drowsiness detection and obstacle recognition, enhancing safety and assistive mobility

DECLARATION

I am enthusiastic about advancing my career and dedicated to working diligently to meet the objectives of my organization. I hereby declare that the information provided in this CV is true and accurate to the best of my knowledge.

MOHAMED IRFANUDEEN R S