
S U M M A R Y

A highly skilled Mechatronics Engineer with extensive experience in designing, developing, and integrating advanced mechatronic systems. Proficient in SolidWorks, embedded systems, and a range of designing tools. Recognized for delivering innovative solutions that enhance interactive experiences, with a strong background in project management and cross-functional collaboration. Seeking a challenging role where I can leverage my technical expertise and creativity to contribute to groundbreaking event technologies.

- ✓ Chief Engineer and Project Manager for more than 80 event activations and Mechatronic systems in Dubai.
- ✓ Designed, Managed and led the fabrication team to make Sustainability tree for Iktva 2025 which was directly under ARAMCO at Dammam, KSA.
- ✓ Designed and installed Kinetic ball system for Ministry of Industry and Minerals Resources at Riyadh, KSA.
- ✓ Team Lead for India's largest Hologram.
- ✓ Designed and developed control systems for NEOM at Global Health Exhibition, Riyadh, KSA.
- ✓ Hosted VR game for Etisalat with over 1000 attendees at Abu Dhabi.
- ✓ Dynamic and results-driven Mechanical Engineer with extensive experience in project management, engineering equipment, and CAD software.
- ✓ Known for meticulous attention to detail, strong leadership, and exceptional problem-solving skills.
- ✓ Adept at meeting stringent deadlines and managing budgets effectively.

E X P E R I E N C E

08/2024 – Present

Chief Mechatronics Engineer

Magna Innovations FZ LLC, Dubai

- **System Design & Development:** Designed, developed, and integrated mechatronic systems combining mechanical, electrical, and software components to create interactive event technologies.
- **Leadership:** Managed the whole engineering team to get things done resulted in promotion from Junior post to Lead engineer to Chief Engineer in a span of only 6 months.
- **SolidWorks Expertise:** Used SolidWorks for 3D modeling, simulation, and prototyping of mechanical components, ensuring precision and functionality in complex assemblies.
- **Embedded Systems:** Developed embedded software using C++ and Python to control and interface with custom hardware, including sensors and actuators.
- **Project Management:** Led multiple projects from concept to deployment, managing timelines, budgets, and cross-functional teams to ensure successful outcomes.

10/2023 - 07/2024 **Technical Manager**
West Golden Cargo LLC, Dubai

- **Logistics Coordination:** Collaborated with global supply chain teams to improve shipping and logistics, ensuring timely delivery.
- **Data Management:** Ensured data integrity and implemented robust backup solutions to safeguard critical information.
- **Digital Marketing:** Designed and developed company websites, enhancing digital presence.
- **Workflow Creation:** Developed systems to improve internal communication and information flow.

06/2023 - 09/2023 **Freelance 3D Mechanical Designer / Web Developer / Arduino Tutor / UI UX Designer**
Dubai

- **Client Coordination:** Managed multiple international projects, effectively communicating with clients to understand requirements and deliver tailored solutions.(TAKELEAP Project)
- **Web Development:** Developed and deployed e-commerce and LMS sites, integrating user friendly interfaces and enhancing user experience through Figma-designed UI/UX.

01/2022 - 01/2023 **Project Manager (Mechanical/Mechatronics): Event Technologies**
Creative Technology LLC, Dubai, UAE

- **TV Studio Setup Coordination:** Successfully coordinated and installed a comprehensive studio setup at Dubai Studio City, ensuring all technical requirements were met.
- **Project Management:** Managed multiple projects, including those in Dubai Global Village, from initiation through completion, meeting all deadlines and budget constraints.
- **Cross-Functional Team Leadership:** Directed cross-functional teams in executing marketing communications (Marcoms) projects, ensuring seamless collaboration and project success.
- **Event Execution:** Successfully executed large-scale events in Abu Dhabi, accommodating over 1,000 participants, ensuring smooth operations and participant satisfaction.
- **VR Project Management:** Independently managed and executed virtual reality (VR) projects, overseeing all aspects from concept to delivery.
- **Safety and Standards Compliance:** Conducted comprehensive safety and standards assessments for custom acrobatics systems developed for V Hotel Dubai, ensuring regulatory compliance.
- **Product Launch Events:** Orchestrated product launch events for IFFCO, managing all aspects from planning to execution, ensuring successful and impactful launches.
- **Project Planning & Execution:** Oversaw the planning and coordination of personnel, equipment, and logistics for various projects, ensuring timely and within-budget delivery.
- **Documentation & Reporting:** Created comprehensive project documentation, including progress reports, resource allocation, and post-project evaluations.

06/2023 - 09/2023

Quality Inspector / Mechanical Engineer

Sakthi Auto Ancillary Private Limited, Tamil Nādu, India

- **Quality Assurance:** Led team in identifying and rectifying production issues to maintain high quality output and meet industry standards.
- **Production Tracking:** Monitored daily activities, maintained records, and generated performance reports.
- **Customer Interaction:** Addressed customer concerns on-site, provided updates, and ensured satisfaction.
- **Technical Updates:** Recommended temperature adjustments for the foundry based on thorough data analysis to improve production quality.
- **Coordination:** Collaborated with management and labor to prevent plant disruptions and delays.

EDUCATION

06/2023 - 09/2023

BTech Mechanical Engineering

APJ Abdul Kalam Technological University, Kerala, India

- Designed and developed a manual rubber latex dispenser to aid rubber farmers.
- Led a team of 5 to build a Go Cart in under 3 days with minimal budget constraints.

CERTIFICATES

- CATIA V5 Fundamentals, Dassault Systems, November 2019
- Autodesk Fusion 360, Autodesk, December 2018
- Technical Support Fundamentals, Google, September 2020
- The Fundamentals of Digital Marketing, Google Digital Garage, February 2020
- Oil and Gas Management – Health and Safety, March 2024
- Advanced Diploma in Introduction to Internet of Things, Alison, June 2022
- Sales and Negotiation Skills, Alison, June 2022
- Critical Facility: Critical Infrastructure, Alison, June 2022
- Cyber Security in Manufacturing, University at Buffalo, SUNY, September 2020

ACHIEVEMENTS

- **Hologram Theatre:** Executive member of India's first hologram theatre technical team, contributing to groundbreaking visual technology.
- **Agricultural Innovation:** Designed and developed a manual rubber latex dispenser to aid rubber farmers, increasing efficiency and reducing labor.
- **Student Support:** Lead the design and prototyping of various engineering projects, supporting student innovation and practical learning.
- **Rapid Prototyping:** Led a team to build a Go-Cart in under 3 days with a minimal budget, showcasing leadership and quick problem-solving.
- **Internships:** Gained valuable industry experience through internships at Southern Railway and Water Authority Subdivision in Kerala, India.
- **Leadership:** Held a National Cadet Corps 'B' certificate, demonstrating leadership and commitment to disciplined training.

SKILLS

- **Project Management & Team Leadership:** Proven ability to lead diverse teams, manage resources effectively, and deliver projects on time and within budget.
- **Circuit Building:** Skilled in circuit building with multiple sensors and microcontrollers for customized products.
- **3D Design & Prototyping:** Expertise in using Solid works, CATIA and Fusion 360 for innovative design and prototyping.
- **Engineering Documentation:** Skilled in preparing detailed project reports, technical documentation, and comprehensive project plans.
- **Quality Control:** Strong attention to detail and commitment to maintaining high standards of quality in all deliverables as per client needs.
- **Arduino Programming:** Proficient in debugging Arduino for various applications, enhancing project functionality and innovation, managing onsite technical issues.
- **Technical Repair Skills:** Competent in repairing and troubleshooting mobile devices and computers, ensuring minimal downtime and efficient operation.