



Lijo Chacko



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Profile

With a solid 16-year background in product design and CAD technology, I am strategically transitioning my career by pursuing a Master of Science in Data Science, AI & Digital Business. I am adept at translating conceptual designs into manufacturable products, a skill I now aim to combine with data-driven methodologies. My goal is to leverage my comprehensive understanding of technical design and product lifecycles, enhanced by new expertise in data analytics, machine learning, and AI, to contribute to innovative, data-informed product solutions. I am actively seeking a Praktikum or Werkstudent position to apply this unique blend of skills and drive future-focused business outcomes.

Work Experience:

● Sr. CAD Technologist

JUN 2024 - APR 2025

M/s. CHINA STATE CONSTRUCTION ENGINEERING COORP.

DUBAI

- Gather measurements from site visits to create detailed, to-scale plans.
- Design commercial interiors while ensuring all plans comply with building codes.
- Coordinate and present structural, electrical, and mechanical designs.
- Manage drawing schedules, submittal logs, and address issues with RFIs.
- Supervise draftspersons and technicians.
- Set procedures and material requirements for projects.
- Prepare detailed drawings for client presentations.

● Designer / Project Manager

JULY 2023 - JUN 2024

M/s. NEW EXCLUSIVE DECORATIONS DESIGN & FIT-OUT.

DUBAI

- Develop detailed 2D and 3D models, assemblies, and engineering drawings.
- Optimize designs for functionality and cost-effectiveness, using simulations to validate concepts.
- Review and approve drawings for accuracy and maintain CAD standards and best practices.
- Prepare and manage technical documentation like Bills of Materials (BOMs).
- Coordinate design projects and manage resources to ensure timely completion.
- Managed project timelines and deliverables within an Agile framework.
- Participated in daily Scrum meetings to coordinate design sprints and resolve issues.
- Communicate with clients to understand requirements and provide updates.
- Identify and implement workflow improvements to boost productivity.

● Product Designer

MAY 2021 - JUN 2023

M/s. EXCLUSIVE ACRYLIC MIDDLE EAST INDUSTRIES.

DUBAI

- Optimized designs for structural integrity and functionality using FEA (Finite Element Analysis).
- Develop products using specialist software like AutoCAD and SketchUp, creating detailed 3D models and graphics.
- Assist with product fabrication, testing, and material sourcing to ensure cost-effective designs.
- Present designs for approval and coordinate with sales, marketing, and clients.
- Ensured high-quality outputs by implementing rigorous QA protocols throughout the design process..
- Manage cost, materials, and documentation (BOQ).
- Perform color correction and enhancements on artwork.

● **Sr. Architectural Technologist**
M/s. ARABTEC CONSTRUCTION.

JUN 2007 - DEC 2020

DUBAI

- Create detailed plans and layouts from on-site data and measurements.
- Integrate structural, electrical, and mechanical designs into a cohesive plan.
- Ensure all designs strictly follow building codes and regulations.
- Manage drawing schedules, submittal logs, and address missing details with RFIs.
- Oversee draftspersons and determine project procedures and specifications.

● **Interior Designer**
M/s. SAM & ASSOCIATES.
BHOPAL, INDIA

JAN 2002 - DEC 2006

- Preparation of computerized drawings of the designs.
- Co-coordinating with Subcontractors for daily work activities.
- Supervision and execution of finishing works as per drawings, material standards and quality.
- Observed and practiced quality assurance and safety within Project site.
- Organizing and managing accounts.

Key Project Portfolio

Technical Coordination

- Museum of the Future (Dubai)
- UAE Pavilion, Expo 2020 (Dubai)
- Princess Nourah B.A. University (KSA)
- Damac Heights (Dubai)
- Yasmeen Rotana Hotel (Syria)
- Infinity Towers (Dubai)
- Jumeriah Beach Residence (Dubai)

Product & Interior Design

- Atlantis The Royal (Dubai)
- Sea World (Abu Dhabi)
- EL&N London Coffee (Dubai)
- Atlantis The Royal Rooftop Club (Dubai)
- Museum of the Future (Dubai)
- Expo 2020 Pavilions (Dubai)
- Abu Dhabi Presidential Airport (Abu Dhabi)
- Cinema Akhil movie theater (Dubai)

Education

Master of Science (MS) - Data science, AI & Digital Business. GISMA University of Applied Sciences – Potsdam, Germany
Oct 2025 – Present (Expected Mar 2026)

Bachelor of Science (BSc) - Visual Communication. Annamalai University – Tamil Nadu, India
Graduated 2021

Skills

Engineering & Technical Design

Software : AutoCAD, Revit, SketchUp, KeyShot.

Core Competencies : Technical Documentation, BIM Coordination, Project Lifecycle Management (PLM), Quality Control (QC), Risk Mitigation.

Data Science & Artificial Intelligence

Tools : Python (Pandas, NumPy, Scikit-Learn), SQL, Regression, Classification, Clustering, CNN, NLP, Jupyter Notebooks, GitHub, Selenium (Web Scraping), Streamlit.

Language

English – C1

German

Preparing for A2/B1

Hindi – C1