



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

Education

Master of Science (MS)

– Data science, AI & Digital Business

GISMA University,
Potsdam, Germany

Expected completion date Mar. 2026

Focus :

- Data Science
- Artificial Intelligence
- Digital Transformation
- Project Management
- Innovation Management
- Ethical Leadership

Relevant Coursework :

- Python
- Machine Learning
- Data Analytics
- Digital Strategy
- AI in Business Applications
- Research methods
- Methods of prediction

Bachelor of Science (BSc)

– Visual Communication

Annamalai University,
TM, India

Focus :

- Design Theory
- Digital Skills
- Media Studies.
- Typography

Language

English

CEFR C1, CLB 7.5 (2024)

German

Preparing for A1

Hindi

Proficient level – C1

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.

Projects

- Abu Dhabi Presidential Airport
- Private Villa Interiors and Swimming pools
- Cinema Akhil movie theater

Skills

Creative
Problem Solving
Visual Aptitude
Design Thinking
Communication
Adaptability
Quality Control
Communication
Concept Development
Research & Benchmarking
Attention to Detail
Collaboration
Methodologies:

- Data Mining
- Deep Learning
- DLP
- Agile
- Scrum
- Lean

Design Expertise

AutoCAD
Sketchup
Photoshop
Word
Navisworks
Key shot
FEA
DFM

Data Expertise

Statistical Analysis
Predictive Modeling
Google Colab
Jupiter Notebook
Business Intelligence
Key shot
Digital Marketing
Analytical Skills

Interests

Travel
Music
Drawing
DIY / Craft
Home Decor
Photography

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.

Projects

- Atlantis The Royal Rooftop Club - Dubai
- EL&N London Coffee - Dubai
- Museum of the Future - Dubai
- Talabat HQ - Dubai
- Sea World - Abu Dhabi
- Expo 2020 Pavilions - Dubai

Sr. Architectural Technologist

JUN 2007 - DEC 2020

M/s. ARABTEC CONSTRUCTION.

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.

Projects

- UAE Pavilion Expo 2020 - Dubai
- Damac Heights - Dubai
- Yasmeen Rotana Hotel - Syria
- Princess Nourah B.A. University - Saudi Arabia
- Infinity Towers - Dubai
- Jumeriah Beach Residence - Dubai

Interior Designer

JAN 2002 - DEC 2006

M/s. SAM & ASSOCIATES.

BHOPAL, INDIA

- 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.