



Portfolio

Lijo Chacko



Hello, I'm **Lijo Chacko**

Leveraging 16 years of experience in product design and CAD technology, I am a seasoned professional with a new specialization in data science, AI, and digital business. My passion is to merge the physical and digital worlds, using my expertise in translating conceptual designs into manufacturable products with new, advanced skills in data analytics. This unique blend allows me to optimize the entire product development lifecycle and lead innovation in smart manufacturing.

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
- Media Studies.
- Digital Skills
- Typography

EXPERIENCE

Sr. CAD Technologist

M/s. CHINA STATE CONSTRUCTION
ENGINEERING COORP.

DUBAI: JUN 2024 - APR 2025

Designer / Project Manager

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

DUBAI: JUL 2023 - JUN 2024

Product Designer

M/s. EXCLUSIVE ACRYLIC MIDDLE EAST
INDUSTRIES.

DUBAI: MAY 2021 - JUN 2023

Sr. Architectural Technologist

M/s. ARABTEC CONSTRUCTION.

DUBAI: JUN 2007 - DEC 2020

Interior Designer

M/s. SAM & ASSOCIATES.

INDIA: JAN 2002 - DEC 2006

LANGUAGES

English

CEFR C1, CLB 7.5 (2024)

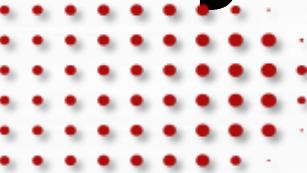
German

Preparing for A2/B1

Hindi

Proficient level – C1

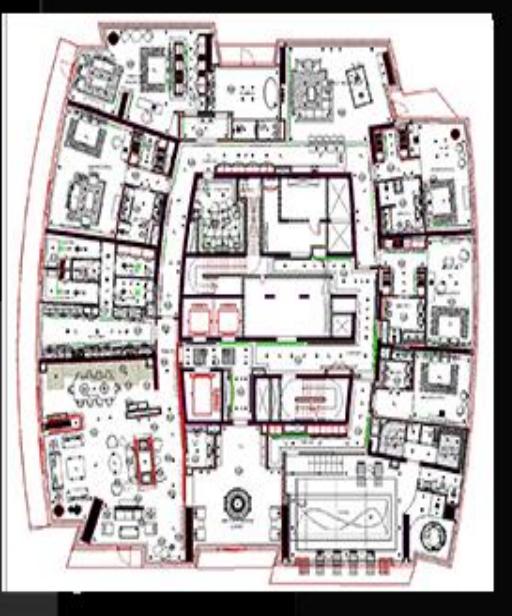
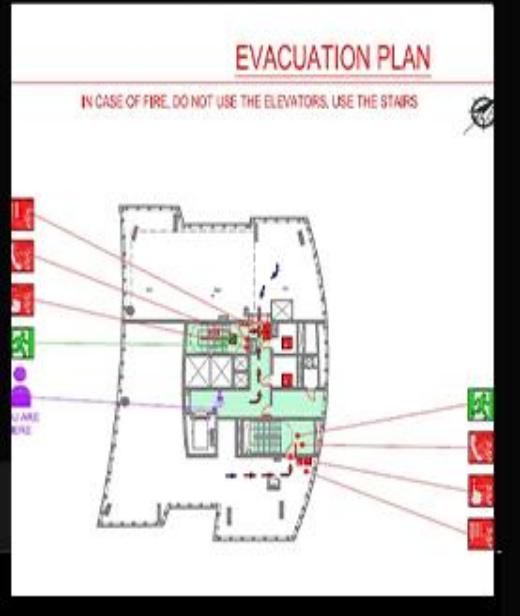
Projects 01



Infinity Tower



UAE Pavilion



Onyx Tower



PN University



JBR , Marina



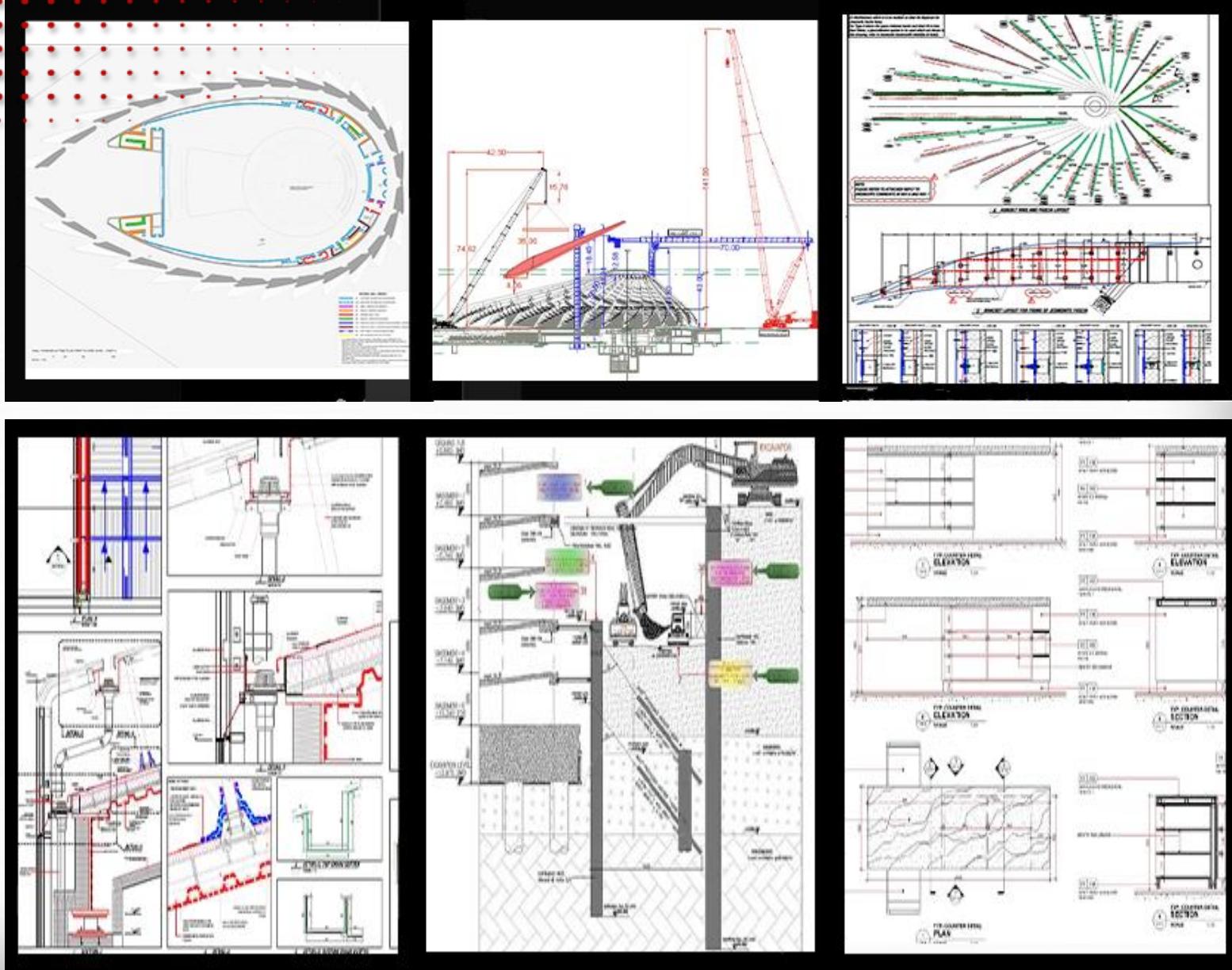
Yasmeen Rotana Hotel

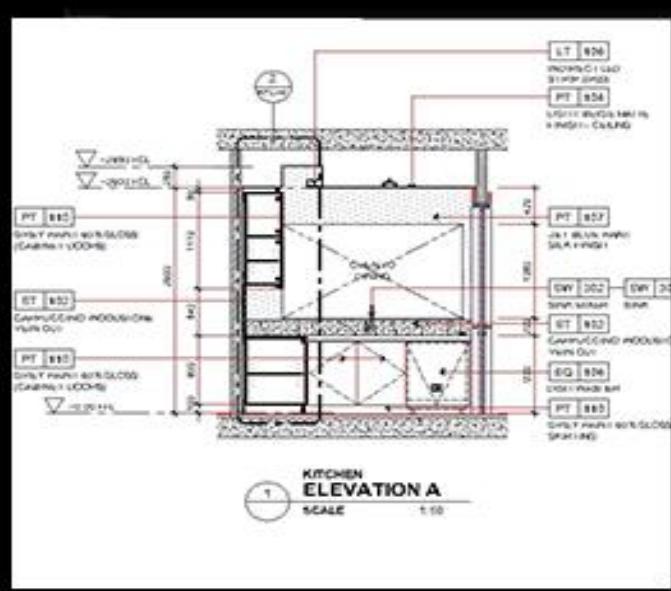
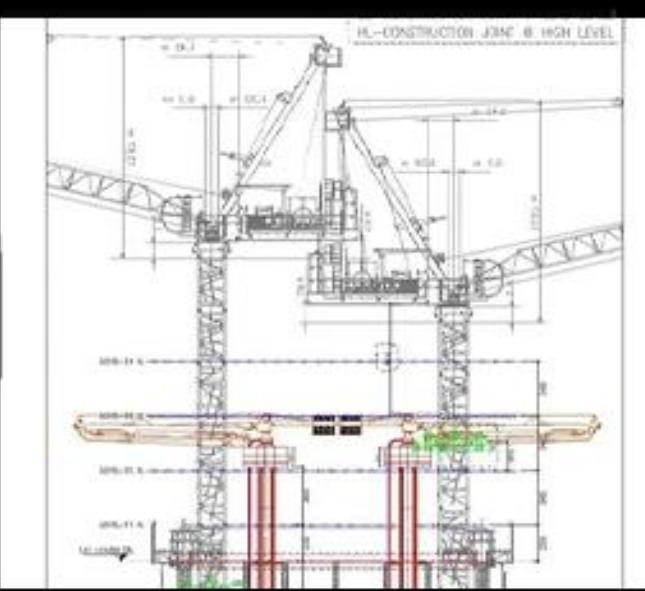
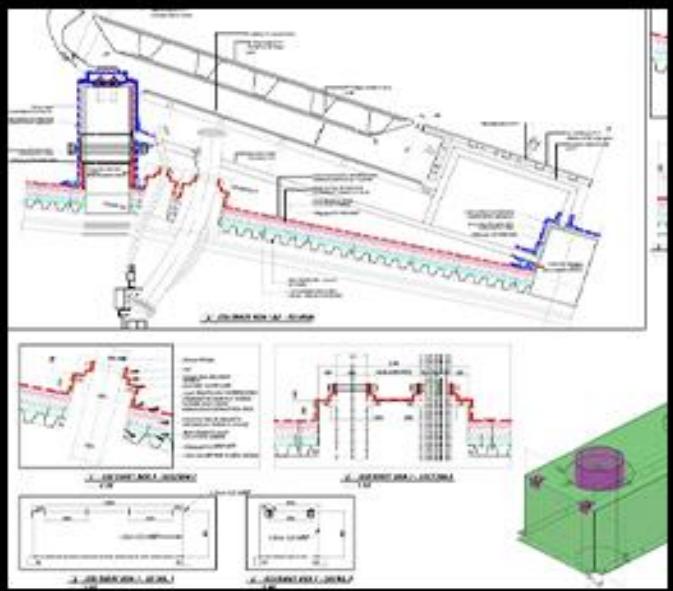
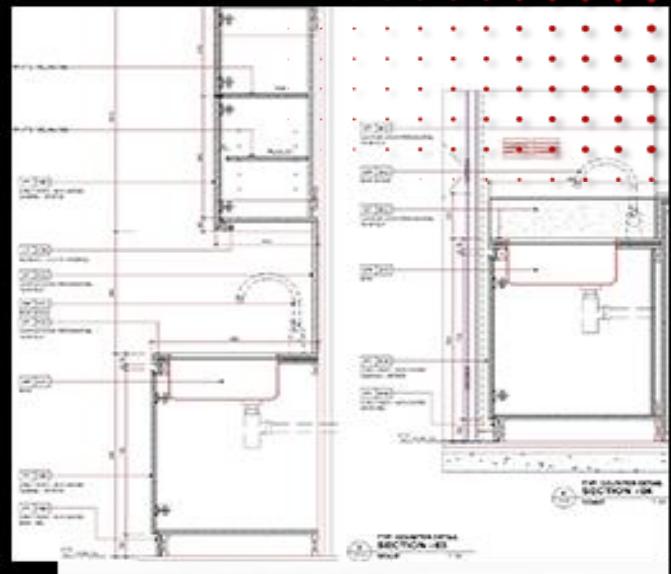
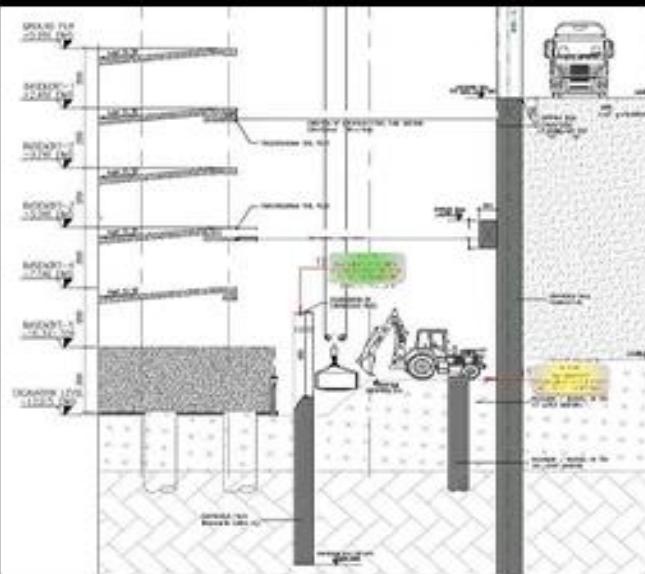
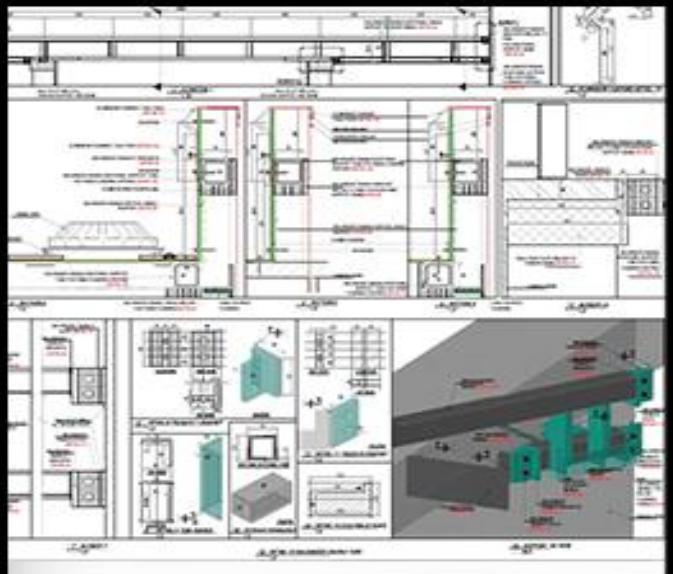
About Projects

I am highly skilled in using AutoCAD to create a wide range of drawings across architectural, mechanical, electrical, and plumbing disciplines. My expertise includes technical drawing principles such as 2D and 3D drafting, dimensioning, annotations, and layer management.

Within architectural design, I specialize in producing floor plans, elevations, sections, site plans, and interior layouts with precision and attention to detail. I ensure that the drawings accurately represent building layouts, dimensions, materials, and architectural features. Moreover, I am adept at 3D modeling, including extruding, revolving, lofting, and sculpting 3D objects, as well as applying materials, textures, and rendering settings to produce realistic visualizations of designs.

I excel in collaborating with architects, engineers, designers, and clients to understand project requirements, incorporate feedback, and deliver drawings that meet expectations. My problem-solving skills and attention to detail ensure that drawings comply with industry standards, codes, and regulations. Continuous learning is important to me, and I am committed to staying updated with AutoCAD's latest features, best practices, and industry trends. I actively engage in training programs and seek opportunities to enhance my skills and knowledge in CAD drafting and design.

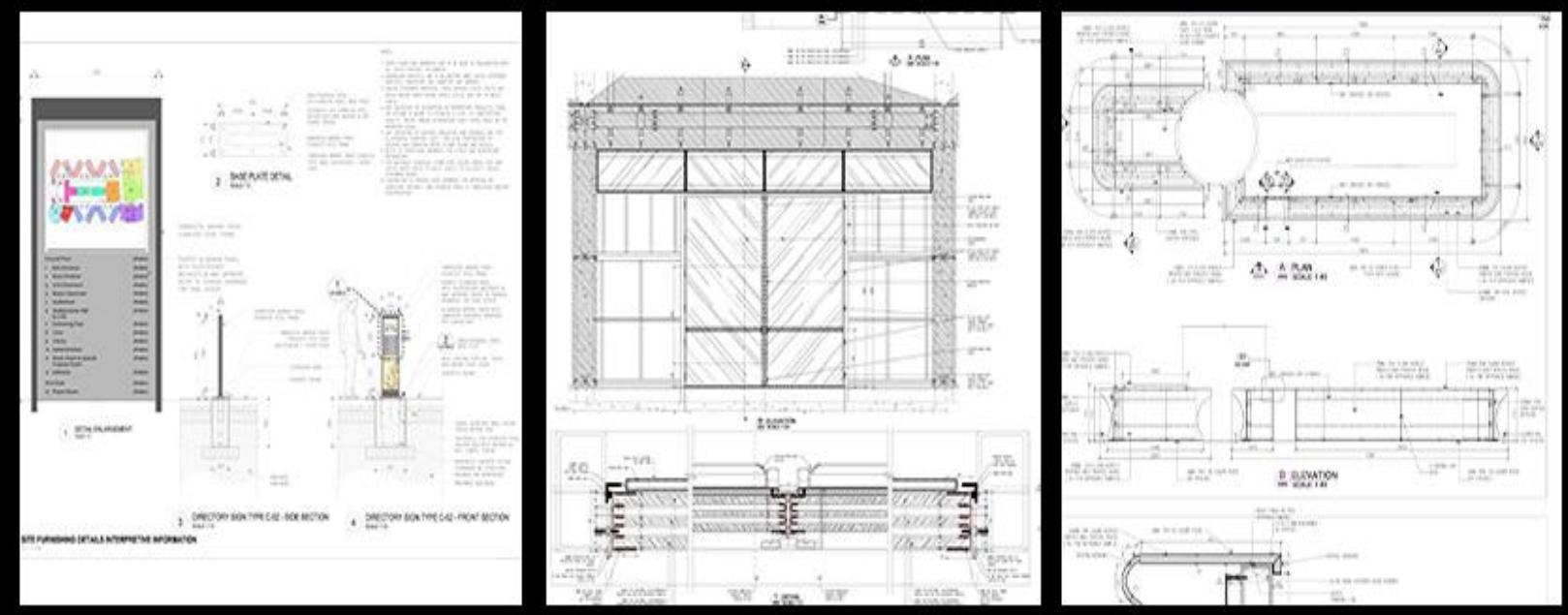
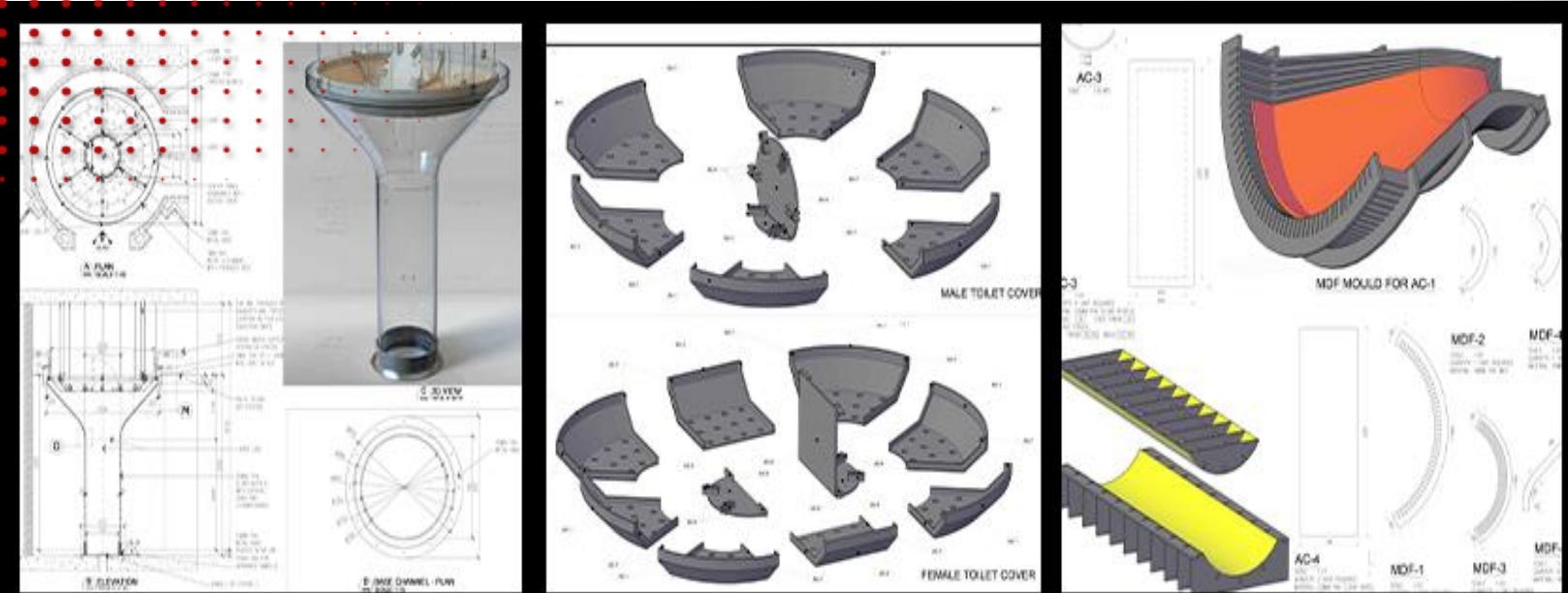




Fabrication Projects

02

Fabrication drawings, also known as shop or detail drawings, are the comprehensive technical blueprints that translate a design into a tangible, manufacturable product. They go far beyond a conceptual sketch by providing a precise, unambiguous set of instructions for fabricators, machinists, and engineers. These documents specify every detail, including exact dimensions, acceptable tolerances, material types, and detailed manufacturing notes. They also include a Bill of Materials (BOM) listing all necessary components. Serving as a crucial communication tool, fabrication drawings are a single source of truth that ensures a product is built to the correct specifications, which is essential for quality control, accurate cost estimation, and consistent production.



Design Expertise & Core Competencies

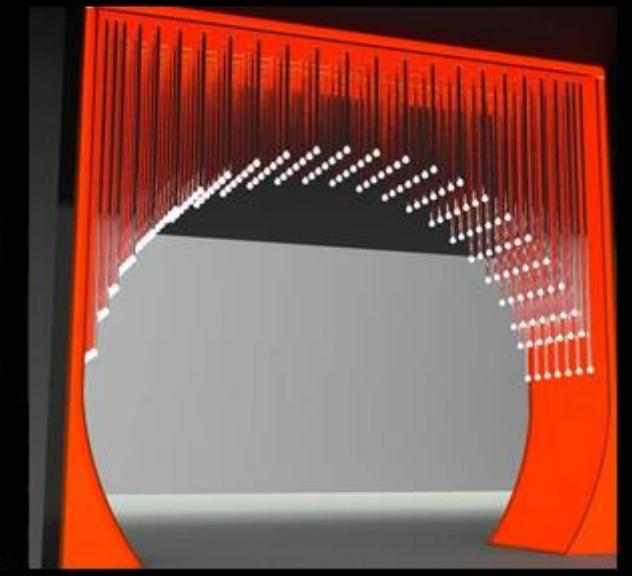
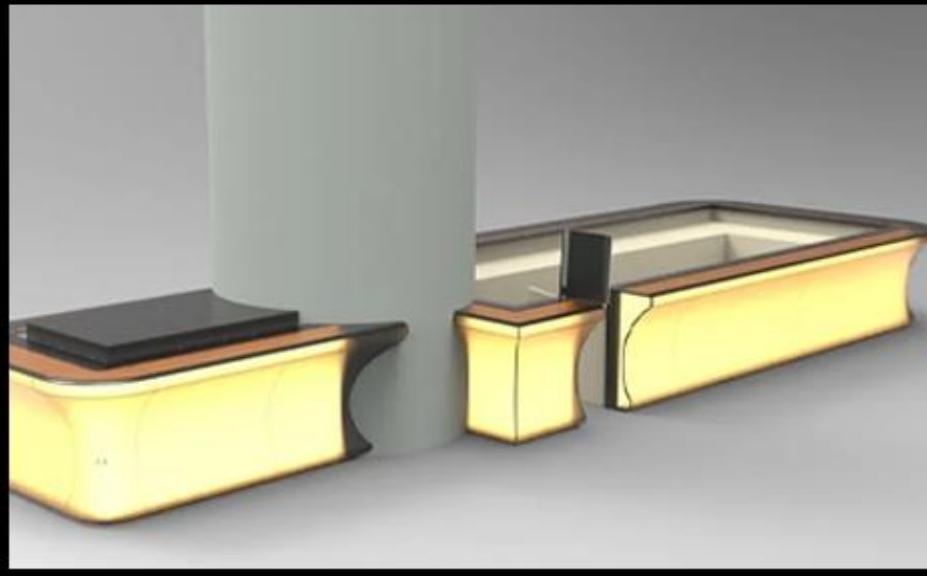
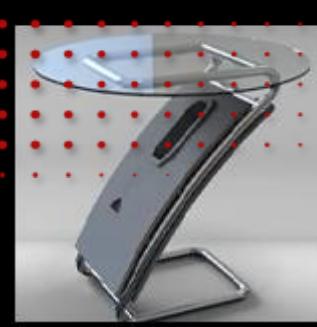


- Proven design expertise developed through academic training and hands-on experience in my current role.
- Innovative conceptual thinker with a sharp eye for fresh approaches and cutting-edge design modalities; recognized for producing impactful, functional, and visually engaging design solutions.
- Strong skills in both schematic development and concept design, with a flair for creative ideation and spatial planning.
- Meticulous designer with exceptional layout abilities and a high level of attention to detail.
- Solid understanding of construction methods, architectural drafting, and detailing, ensuring designs are practical and buildable.
- Proficient multitasker, fully fluent in PC environments, with expertise across industry-standard design and graphics software.
- Experienced in producing planning, technical, and presentation drawings using AutoCAD and Photoshop.
- Strong design sensibility, with a keen eye for color, composition, and layout.

Products 03

About Projects

1. Table from Aircraft door designed for a private collector.
2. Acrylic and Resin Kitchen with water effect.
3. Open Display showroom for shoes and bags.
4. Closed Display showroom.
5. Acrylic Structure column made in multifaceted design.
6. Bar Counter made entirely of acrylic and with glowing lights.
7. Tunnel Entrance for Talabat.





- 8- Globe Ceiling Feature designed for EL&N London
- 9- Wooden Kiosk-1
- 10- Wooden Kiosk -2
- 11- The Pill display Shelf
- 12- Outdoor Acrylic table
- 13- Art Display
- 14- Kitchen Design

Renderings

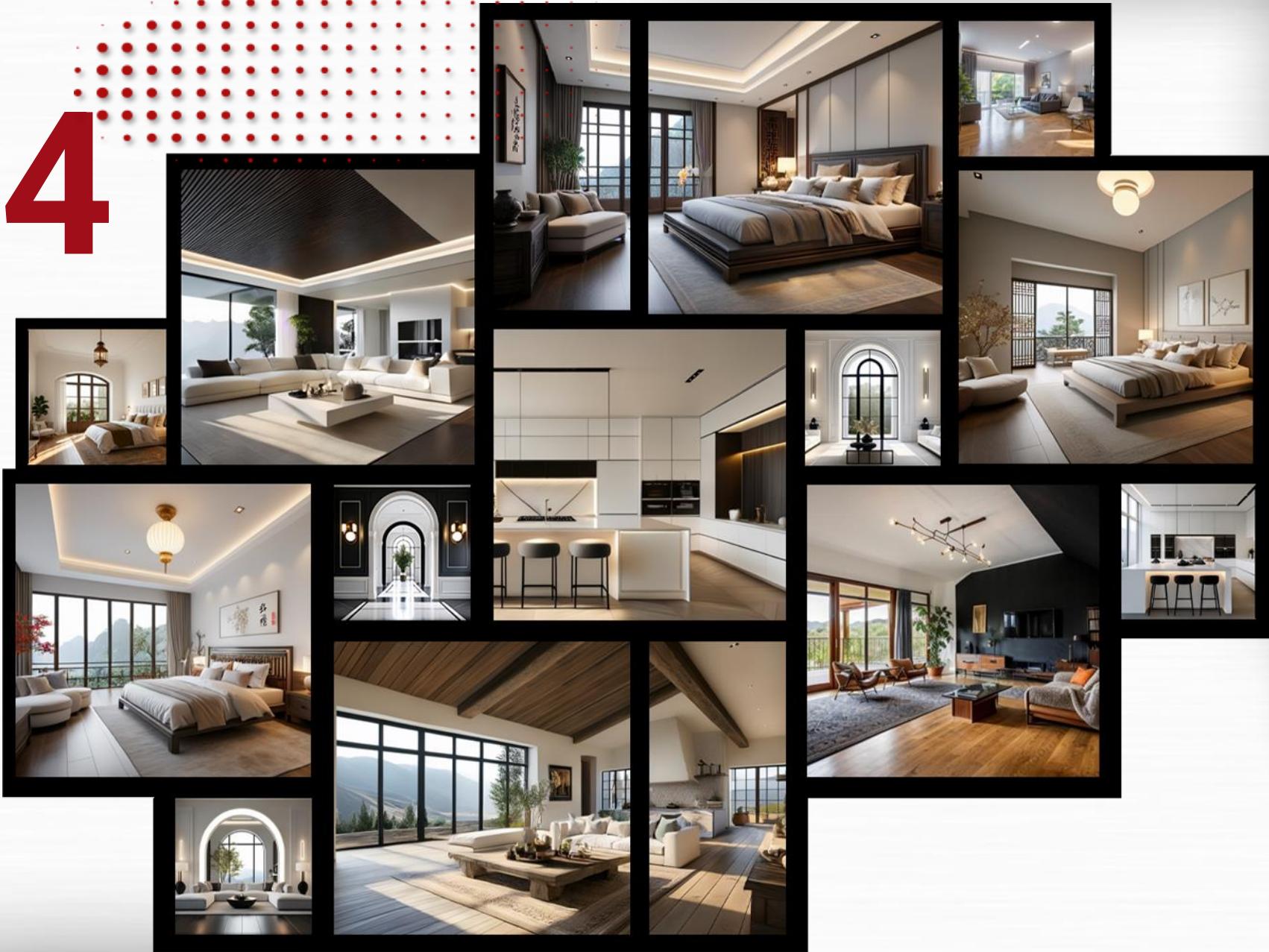
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Living rooms & Bedrooms

Photorealistic renderings showcasing interior design concepts for a modern living room and bedroom. These visuals highlight space planning, furniture arrangement, lighting, textures, and material selection. The designs focus on creating comfortable, functional, and visually appealing residential interiors.

Kitchens

Detailed renderings presenting design concepts for an inviting entrance and a functional kitchen space. The visuals emphasize layout efficiency, lighting, material textures, and overall aesthetic to create welcoming and practical areas within a home.

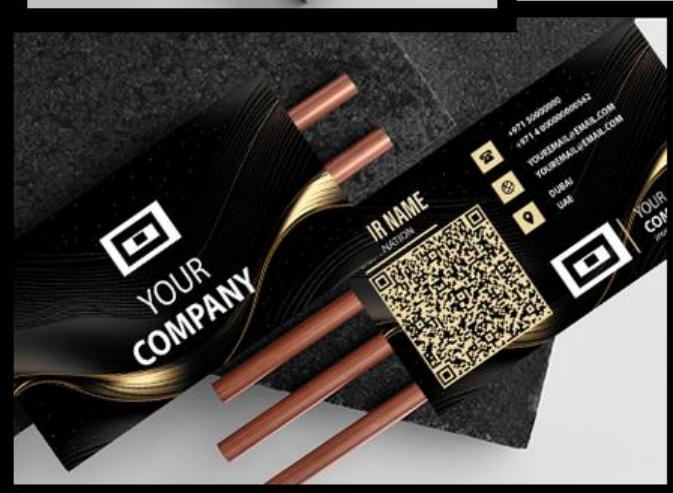


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Catalogues flyers & business cards

Professionally designed catalogues and flyers that effectively showcase products and services. Focused on clear layout, engaging visuals, and concise information to attract and inform target audiences. Creative and impactful cards and business cards designed to leave a lasting impression.

Emphasizing brand identity, readability, and high-quality design to enhance professional networking and marketing.



THANKS

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