Richa Gupta

Innovation is contextual, requiring strategic vision
defining 'right' problems and multi-faceted solutions.

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Relevant Experience (4 years in Design Technology)

Corbu Inc., San Francisco, USA   *AI Engineer Summer Intern*, 2021-2023
- Fine-tuned Multimodal Diffusion Model for 4 distinct style of designers for Generative AI startup in Design.

fivD, New Delhi (& North America), India   *Design Technologist*, 2021-2023
- Digital Product management concept to MVP for 120+ fivD professionals to optimize workflows by at least 30%
- User stories, Market studies, Formalised high-fidelity interactive UI Prototypes, suggested technical architecture
- Developed go-to-market strategies, multi-stakeholder specification documentation and execution plans
- Gained alignment from cross-functional teams in Leadership, 3rd party engineering vendor and business.
- Prototyped and tested emerging technologies to increase productivity for employees at fivD.

ArchiDAO, Global   *Co-founder*, 2021-2024
- Built a global blockchain network of 500+ architects and designers in 6 continents
- Advancing collaboration and developed on Web3 and Metaverse product development
- Directed cross-functional teams for marketing, community engagement and event management
- Driving cultural and professional diversity.

Architecture Firms (Access Architects, MYVN Architects), India   *Architectural Designer*, 2018-2021
- Managed design development, client handovers, and site execution for high-profile projects; developed 3D models and presentation materials.

Education and Certifications

Master of Science in Design Computation   *Massachusetts Institute of Technology*(MIT)
May 2025 | Inquiry to Design and Computation, Shape grammars, AI/ML for Engineering Design, Web development

Master of Science in Computer Science,   *Massachusetts Institute of Technology*(MIT)
May 2025 | Advances in Computer Vision, Interactive Data Visualisation, AI Decision Making and Society

Technical Management and Leadership   *Massachusetts Institute of Technology*(MIT)
2024 | Leadership Product, People and Projects; Leading Creative Teams, Develop Leadership Skills (MIT Sloan)

Augmented Reality and Virtual Reality Certification   *Indian Institute of Technology*(IIT) Madras
2023 (Research Partner) | Perception Engineering, Unity and Unreal Mobile Development

Bachelors of Architecture   *National Institute of Technology*(NIT) India
2019 | Space Design, Product Design, Construction Documentation, Theory of Design, Project management

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Skills

Engineering & Development: Python, JavaScript, ReactJS, Unity, Unreal
Prototyping & Testing: CAD, Rhino, Grasshopper, Blender, Tableau, Figma, Pandas, Power BI
Leadership & Strategy: Agile, Google Analytics, Asana, Market Research, Go-to-Market Planning, UserTest- A/B, SUS
AI & Simulation: LLMs, NLP, Pytorch, D3.js, OpenCV, Tensorflow, LoRA

Digital Products

Designed & developed 6 digital products- Visional Language Contextual Voice AI recommendation system, IOT Augmented Reality App, Networking tool, Digital tool for Architects, Sketch to 3D software, Gen AI Material Tool

Leadership and Wins

- 10+ global talks/workshops on AI Ethics, XR, and Generative AI (e.g., Microsoft, IIT Madras, IEEE Forum, MIT).
- Won two hackathons (MIT AI Hackathon, HMC Hackathon); co-authored a paper for MIT Reality Hackathon.
- Awarded a fellowship at MIT and served in leadership roles within the Graduate Student Council.
- Mentored Underprivileged Women in India, Academic Mentorship program at MIT for interested students