

KALP PANDYA

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ACADEMICS					
Qualification	Institute	Board/University	% / CGPA	Year	
MBA Tech	MPSTME, NMIMS, Mumbai	NMIMS	3.66/4	2023	
BTech (Civil)	MPSTME, NMIMS, Mumbai	NMIMS	3.66/4	2023	
BTech (Honors) in Smart City and Construction Management	MPSTME, NMIMS, Mumbai	NMIMS	3.66/4	2023	
XII	Wilson College	HSC	74.15	2018	
X	G. D. Somani Memorial School	ICSE	92.80	2016	

Certification/ Publication	<ul style="list-style-type: none">Columbia University: Construction Management SpecializationVanderbilt University: Prompt Engineering, Programming with MATLAB, Generative AINew York Institute of Finance: Credit Risk ManagementYonsei University: Valuation for StartupsEPFL, Switzerland: Smart Cities; Sanitation Systems & Technologies; Management of Urban InfrastructuresLund University, Sweden: Sustainable CitiesUniversity of Amsterdam: Basic StatisticsDelft University of Technology: Railway EngineeringUniversity of Michigan: Programming for Everybody (Python)	<ul style="list-style-type: none">Indian Institute of Remote Sensing, ISRO: Global Navigation Satellite System; Geospatial Inputs; Satellite Photogrammetry; Coastal Ocean ProcessesGoogle: Foundations of Project Management; Fundamentals of Digital MarketingMassachusetts Institute of Technology: Structural Materials- Selection and EconomicsWaseda University: Tsunamis and Storm SurgesLinkedIn Learning: Finance Foundations; 3D Printing; Statistics Foundations; Operations Management Foundations; Programming Fundamentals; Excel Essential Training
Core Skills	<ul style="list-style-type: none">Civil Engineering Softwares: AutoCAD, ETABS, STAAD.ProComputer Programming: C, C++, Java, MATLAB, R, Python, HTMLMicrosoft Office: Word, PowerPoint, Excel, Teams, OutlookMiscellaneous softwares: Unity, Google Earth Pro	<ul style="list-style-type: none">Soft Skills: Teamwork, Leadership, Detail Oriented, Integrity, Critical Thinking, Willingness to learn, Communication Skills, Time Management, Conflict Resolution, Problem SolvingCommand over Indian & foreign languages

PROJECTS	
Academic	<ul style="list-style-type: none">Formulated a business plan for a furniture studio start-up comprising of investment plans, cash flows, and 3-year revenue predictions.Conducted Ratio Analysis as well as DuPont Analysis for leading companies in the Paint Industry in India.Preparation of time, material and manpower schedules, project monitoring and control techniques for a G+3 bungalow construction.Structural Design and Analysis of 'Sailing Saucer'- a Novel Floating Helicopter Platform and Underwater Observatory, under the guidance of Bhabha Atomic Research Centre (BARC) Scientist Dr. B. N. Karkera.Practical research on Efficacy of Fly Ash, Lime and Cement Stabilizers in Improving Engineering Behavior of Expansive Subgrade Soils.Structural Design, calculations, and construction of a Concrete Canoe for the ASCE Concrete Canoe Competition.Capstone project on design of a school building involving preparation of architectural & structural plans, and structural analysis models.

JOB EXPERIENCE	
Associate Consultant – Ernst & Young LLP – 22nd May 2023 – Current	
Roles and Responsibilities	<ul style="list-style-type: none">Part of the Asset Development team, specializing in credit risk management within the Financial Services Risk Management practice.Involved in the front-end and back-end development and maintenance of a web application for credit risk calculations.Demonstrated problem-solving skills and adaptability in overcoming challenges encountered during the development and business-as-usual process, driving project success, and delivering value-added solutions to clients.Proactively engaged in ongoing learning and development initiatives to stay abreast of emerging technologies across sectors.

INTERNSHIPS	
Management Internship – Knight Frank (India) Pvt. Ltd. – 2nd May 2022 – 10th September 2022	
Roles and Responsibilities	<ul style="list-style-type: none">Prepared Excel-based valuation models for various under-construction and existing residential and commercial properties.Carried out property inspections, neighbourhood profile analysis, and comparable market research for the subject property.Assist the valuation team for preparation of reports, presentations, data visualization and project-specific analytical insights.Read and analyzed technical specifications, construction drawings, construction invoices, registration documents, etc.
Technical Internship – Raje Structural Consultants Pvt. Ltd. – 3rd May 2021 – 26th June 2021	
Roles and Responsibilities	<ul style="list-style-type: none">Explored perspectives in Structural Design, perusal of important Indian Standard codes and Structural Audit Reports.Study of the different types and methodology of Non-Destructive Testing for Structural Steel and Structural RCC members.Conduct site visits for inspection to ensure work completion as per structural plan, and learn basics of structural analysis using ETABS.
Financial Markets Experience Program – Finlatics – 15th December 2021 – 8th March 2022	
Roles and Responsibilities	<ul style="list-style-type: none">Created and managed a real-time simulated portfolio on BSE 500 listed companies, akin to an asset management company.Engaged in sector-wise (namely, automotive and engineering) and company-specific research on the Indian Economy.Learned how to reduce risk in the portfolio via diversification of stocks and booked profits.Studied technical, fundamental, and sentimental analysis for stock selection, and different types of valuation techniques for stocks.
Virtual Technical Internship – John Holland – 1st February 2022 – 13th February 2022	
Roles and Responsibilities	<ul style="list-style-type: none">Completed practical task modules in tender analysis, scheduling of works, reading structural drawings, calculating structural material, and commissioning across the company's three verticals- Infrastructure, Building, and Rail.

PROFESSIONAL ATTRIBUTES/ ACHIEVEMENTS	
Achievements/ Participations	<ul style="list-style-type: none">Awarded "Best 10% of Portfolio Management Performances" as part of the Finlatics Financial Markets Experience Program.Letter of Appreciation for mentoring a team of students in the domain of Game Development by Dr. Ketan Shah, ACM.Conferred "The Shakespeare Award in English Literature and Language" by Triumphant Institute of Management Education (T.I.M.E.)Awarded the 'Best Technical Paper' in Construé: Technical Paper Presentation at Horizon'20 organized by CESA at NMIMS MPSTME.1st Position in a Paper Presentation during ASCE India Student Conference.2nd Rank at Brückenbau, a bridge designing and building competition hosted by CESA at NMIMS MPSTME.Certificate of Appreciation for Route Master, a town-planning competition held during Ingeniero'20 by CESA at NMIMS MPSTME.
Interest/Hobbies	Photography, Coding, Cycling, Trekking, Numismatics, Philately, Woodcrafting, DIY Hardware Projects, Defence Enthusiast