

ROLL NUMBER: P25700072


Nirmal Bharadwaj
Male

DOB

10-Apr-1994

TECHNICAL SKILLS

- AutoCAD
- MS Office
- MS Project
- Primavera
- Basic SAP/ERP
- CostX
- BIM
- Revit
- Candy
- Staad Pro
- MX Roads
- Power BI
- Key Account Management (B2B)
- BOQ Formulation & Costing
- Material & Vendor Due Diligence
- Construction Chemicals & Waterproofing Specifications

PERMANENT ADDRESS

KRISHNA COLONY, NEAR YADAV
HOTEL_x000D_ BARI ROAD,
DHOLPUR
City: Dholpur
State: Rajasthan
Pincode: 328001

LANGUAGE

- ENGLISH
- HINDI

SUMMARY OF QUALIFICATION

Course / Programme	Board / University Name	CGPA/ (%)	Passing Year
MBA-ACM	NICMAR University, Pune	9.46	2027
Graduation	KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR (U.P.)	79.08	2015-May
Intermediate	BOARD OF SECONDARY EDUCATION RAJASTHAN	78.31	2010-May
High School	CENTRAL BOARD OF SECONDARY EDUCATION NEW DELHI	90	2008-May

WORK EXPERIENCE (9 Years 6 Months)
Ansal Properties & Infrastructure Limited

03-Jun-2015 - 22-Nov-2016

1 Years, 5 Months, 19 Days
PROFILE: Project Engineer (Civil)

Execution & Quality Assurance: Managed on-site execution and commercial estimation of township, road and bridge projects; reviewed tender documents and ensured strict compliance with IRC/IS codes, quality standards, and timelines.

National Highways Infrastructure Development Corporation Limited (outsourced contract)

24-Nov-2016 - 30-Nov-2019

3 Years, 0 Months, 6 Days
PROFILE: Graduate Engineer (Gr-II)

- **Strategic Procurement & Contract Structuring:** Directed end-to-end procurement lifecycle for Rs. 2,000 Cr+ portfolios under SARDP-NE and NHDP mandates; led contractor screening and qualification, bid slate development, bid evaluation, and formulation of Contract Award Recommendations for Nagaland highway packages; structured complex EPC and consulting contracts with advanced topographic risk-allocation frameworks.
- **Program Governance & Disaster Resilience:** Served as HQ-level advisor; conceptualised and deployed project management frameworks for disaster-prone terrains in Arunachal Pradesh and Nagaland; participated in Supreme Court-monitored project reviews and situational analysis workshops for SARDP-NE packages, ensuring compliance with court-mandated progress milestones.
- **Pre-Execution Due Diligence:** Managed financial estimates for Land Acquisition, forest clearances, utility shifting, and EIA, significantly accelerating project readiness and de-risking timelines.

Civil Mantra Infracon Private Limited

01-Dec-2019 - 27-Dec-2020

1 Years, 0 Months, 26 Days
PROFILE: Design Engineer Highway & Tunnel

- **Feasibility & Pre-Construction Advisory:** Led end-to-end infrastructure planning and finalised DPRs for the Kohima Tunnel (Nagaland), Chamba Tunnel (Uttarakhand), and Kiratpur–Ner Chowk Tunnel (Himachal Pradesh).
- **Regulatory Strategy:** Navigated complex regulatory environments to secure timely project approvals, ensuring strict technical and statutory compliance.

National Highways Infrastructure Development Corporation Limited (outsourced contract)

28-Dec-2020 - 30-Sep-2022

1 Years, 9 Months, 2 Days
PROFILE: Manager (Project)

- **Mega-Project CAPEX Monitoring:** Directed commercial tracking, RAID logs, and change management for the Rs. 6,500 Cr Zojila Tunnel Project (14.15 km); audited contractor claims and enforced BOQ compliance on a highly strategic corridor.
- **Technical Due Diligence (TDD):** Spearheaded validation of DPRs to support Final Investment Decisions (FID) for high-altitude strategic tunnels (Shinku-La, Lachung-La, Tanglang-La at 16,000+ ft), rigorously assessing technical feasibility, environmental impact, and all-weather operational viability.
- **Portfolio Management & Contracting Plans:** Governed 3 packages under the Rs. 3,000 Cr NH-301 (Kargil–Zaskar Road) initiative; contributed to WBS development and contracting plan formulation as part of the Leh-Ladakh UT administration’s infrastructure programme; standardised quality metrics, audited safety compliance, and managed variation orders and financial certification.
- **Project Advisory:** Monitored Rs. 100 Cr+ infrastructure pipelines in Ladakh; led technical reviews, scope development, and budget management (AutoCAD, Excel).

Bigzen Developers Private Limited

03-Oct-2022 - 31-Dec-2024

2 Years, 2 Months, 28 Days
PROFILE: Project Manager (Civil)

- **Contract Strategy & Commercial Advisory:** Advised senior leadership on complex EPC contractual risks, structuring robust dispute resolution mechanisms that accelerated issue mitigation and protected overarching project margins.
- **Pre-Bid Engineering & Procurement:** Drafted strategic RFPs and MOUs; provided expert technical consulting input for FEED phases, material specifications (including waterproofing/chemicals), and soil testing to optimise initial capital outlay.
- **Stakeholder & Regulatory Governance:** Orchestrated multi-agency coordination across NHAI and BRO portfolios; secured statutory approvals and mitigated environmental risks for large-scale slope/landslide protection works.

INTERNSHIP / PROFESSIONAL TRAINING (Total Duration: 16 Weeks)
Chuan Lim Engineering Pte Ltd (CLE)

10-May-2026 - 11-Jul-2026

8 Weeks
PROFILE: Advanced Construction Management (ACM) Intern

- **AI-Driven Estimation & BIM Integration:** Developed a PoC for an automated QTO pipeline, leveraging Model Context Protocol (MCP) to link LLMs with live Revit BIM models for the LTA Jurong Region Line (J105) rail contract.
- **Commercial Standardization & QA:** Formulated CESMM4 (civil) and SMM2 (building) compliant measurement baselines; validated automated structural-steel extractions against a 2,100+ element LOD350 IFC4 test model.

- **Executive Advisory & Tech Strategy:** Briefed executive leadership on architectural viability; delivered market research on AI adoption in the Singapore infrastructure sector, translating workflows into a board-level investment case.

PNC-TRG (JV)

02-Jun-2014 - 01-Jul-2014

4 Weeks
PROFILE: Trainee

Oversaw the construction of superstructures (such as flyovers and bridges), including girder strengthening, slab demolition, well sinking, well steining, pier shaft, and pier cap works.

Managed billing and estimation work, including:

Preparing measurement books (M.B.), amendments, corrigenda in work orders, and invoices.

PNC-TRG (JV)

02-Jun-2013 - 29-Jun-2013

3 Weeks
PROFILE: Trainee

Supervised construction of the well foundation for the Chambal Bridge as per IRC and IS codes.

Conducted laboratory and on-site quality control testing, including:

Compressive strength testing of concrete cubes, Field Density Determination (FDD), Aggregate and cement testing, and Concrete mix design for quality assurance.

CERTIFICATION DETAIL

- ONE YEAR ADVANCED DIPLOMA IN DRAFTING, NEGOTIATION AND ENFORCEMENT OF CONTRACTS
- AI Foundations for Business Professionals by Said Business School (Oxford University)
- Introduction to Model Context Protocol & Advance Course by Anthropic AI
- Retrieval Augmented Generation (RAG)- by Deeplearning.AI
- Lean Six Sigma-Green Belt (KPMG)
- Indian Green Building Council-Accredited Professional
- International Business by The University of New Mexico
- Operations Management by IESE Business School, University of Navarra
- Building Smarter: BIM in Practice by L&T Edutech
- Construction Management full course series-Columbia University

ACHIEVEMENT DETAIL

• Nominated for Outstanding Field Officer Awards • MoRTH, NHAI, NHIDCL (NHIDCL RO-Ladakh), 2022

• 1st Prize, Debate Competition • World Hindi Day, NHIDCL HQ, New Delhi

• 3rd Prize, Poem Recitation • Hindi Pakwara, NHIDCL HQ, New Delhi

• 1st Prize, Truss Cruss • Structural Design Event • Effulgence 2K11, KNIT Sultanpur

• 3rd Prize, Technical Quiz • ISTE Student Chapter, KNIT Sultanpur

• 1st Prize in multiple events & conferences • NHIDCL HQ, New Delhi

• Participant, Youth Parliament & Kavyanjali Poetry Event • KNIT Sultanpur

• 3rd Prize, Intel Exhibition • Navodaya Vidyalaya Samiti, Jaipur Region

• Winner of school-level Olympiads • Awarded medals and certificates

• Recipient of Rajya Puraskar • The Bharat Scouts & Guides