

ROLL NUMBER: P25700072


Mr. Nirmal Bharadwaj
Male

DOB

10-Apr-1994

TECHNICAL SKILLS

- MS Project & Primavera
- SAP/ERP
- CostX & Candy
- BIM- Revit & AutoCAD
- Staad Pro
- Power BI
- Quality Assurance & Control
- EVM-CPI/SPI/EAC
- EPC TK & EPCM Frameworks
- FIDIC Suite Contracts & Claims Mitigation
- Stage-Gate Governance (EMCAPS equivalent)

PERMANENT ADDRESS

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

LANGUAGE

- ENGLISH
- HINDI

INTERESTS

- Listening Music

SUMMARY OF QUALIFICATION

Course / Programme	Board / University Name	CGPA/ (%)	Passing Year
MBA-ACM	NICMAR University, Pune	9.46	2027
B.Tech <i>Civil Engineering</i>	DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, LUCKNOW, U.P.	79.08	2015-May
Intermediate <i>Science (PCM)</i>	BOARD OF SECONDARY EDUCATION RAJASTHAN	78.31	2010-May
High School	CENTRAL BOARD OF SECONDARY EDUCATION NEW DELHI	90	2008-May

TOTAL WORK EXPERIENCE: 114 month(s)
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 fixed-price contractual risks; executed forensic delay/time-impact analyses and structured robust dispute resolution mechanisms to mitigate prolongation costs and protect overarching project margins against material volatility.
- **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.

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 PMC & CAPEX Monitoring:** Directed Stage-Gate governance, commercial tracking, RAID logs, and change management for the Rs. 6,500 Cr Zojila Tunnel Project; implemented Earned Value Management (EVM) tracking, audited EPC contractor claims, and enforced BOQ compliance acting as the core Owner's Engineer.
- **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).

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)

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 global supply chain procurement for Rs. 2,000 Cr+ portfolios; formulated Contract Award Recommendations and structured complex EPC/PMC contracts integrating advanced topographic risk-allocation frameworks and vendor qualification.
- **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.

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.

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

- **Digital Twin & CDE Integration with AI-QTO Pipeline:** Engineered an automated Quantity Take-Off (QTO) digital toolchain for LTA rail contracts linking GenAI (MCP) with live Revit BIM models; established a Common Data Environment (CDE) framework to feed extracted commercial data directly into cost-control architectures, supporting advanced project controls.
- **Commercial QA & Data Governance:** Formulated **CESMM4 & SMM2**-compliant measurement baselines for QS workflows. Validated structural-steel extractions against a 2,100+ element LOD350 IFC4 model via 6 progressive audit baselines, ensuring strict data provenance (RAW/COMPUTED/FLAGGED).
- **Process Automation & Standardization:** Architected a modular 5-skill automation suite for schedule generation and spatial linkage. Developed a "Computable CAD Benchmark" strictly aligned with Singapore's **SS CP 83** standard to systematically eliminate 13 upstream drafting anomalies.
- **Executive Advisory & Tech Infrastructure:** Benchmarked 17 AutoCAD/Revit MCP server environments for enterprise scalability. Translated Boolean-structured global market research on infrastructure AI adoption into an actionable, board-level strategic 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
- Ethics in Engineering Practice by IIT Kharagpur
- Construction Equipment Maintenance & Safety by L&TEdutech

ACHIEVEMENT DETAIL

- Nominated for Outstanding Officer Awards by MoRTH, NHAI, NHIDCL (NHIDCL RO-Ladakh), 2022
- 1st Prize, Debate Competition on World Hindi Day, NHIDCL HQ, New Delhi
- 3rd Prize, Poem Recitation in Hindi Pakwara, NHIDCL HQ, New Delhi
- 1st Prize, Truss Cruss- Structural Design Event at Effulgence 2K11, KNIT Sultanpur
- 3rd Prize, Technical Quiz- ISTE Student Chapter, KNIT Sultanpur
- 1st Prize in multiple events & conferences at NHIDCL HQ, New Delhi
- Recipient of Rajya Puraskar- The Bharat Scouts & Guides