

ZABIULLAH PATEL : RESUME



ZABIULLAH PATEL, M.Tech (Structural Engineering), NMAMIT (Nitte).	
Name:	Zabiullah Iliyas Ahmad Patel
Education:	M.Tech (Structural Engineering) (2016 to 2018),
Date of Birth:	13 th June 1992
Languages:	English, Urdu, Hindi, Marathi, Kannada.
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Last Posting	Mumbai Coastal Road Project, Mumbai-400011, India.
Marital Status	Married
Passport No.	U5817920 (Expiry Date: 04.05.2031)

Academics:

Course	Institution	University / Board	Aggregate	Year
Master of technology in Structural Engineering	N.M.A.M. INSTITUTE OF TECHNOLOGY, Nitte,Mangalore(An Autonomous Institution affiliated to VTU, Belagavi)	Visvesvaraya Technological University, Belagavi.	82.30%	2018
Bachelors of construction technology & management	Acharya Institute of Technology, Bengaluru	Visvesvaraya Technological University, Belagavi.	76.55%	2015
Diploma in Civil Engineering	Gomatesh Polytechnic college, Belagavi.	Department Of Technical Education, Bangaluru.	61%	2012

Total Work Experience - 3 Years & 26 Days

1. **Yooshin Engineering Corporation JV with Tec Cuatro S.A– Design Engineer – 1st October 2020 to Present. (Mumbai Coastal Road Project)**

Project Cost: 2798.44 Crores – Project Length: 4.05 Kms – Consisting of twin tunnels of 12meters diameter each – Sea wall – Reclamation fill – Secant pile wall – Cut and Cover Boxes – Utility Boxes – Retrieval & Reception shafts – Cantilever Promenade & Retaining wall.

Roles and Responsibilities:

- **Reviewed, studied and commented on the design submitted by the contractor.**

- **Made sure** that the **design** submitted by the contractor is **as per the contractual requirements**.
- **Frequently visited the site** to **check** all the **design related parameters** are properly followed during the execution. If not, **the letters and Non Conformance Reports are written** to the contractor.
- **Checked structural design related issues** and suggested solutions during site visits.
- **Used detailing experience from my previous job** in checking the construction reference drawings and made sure that the drawings are with minimum/no mistakes.
- **Checked Good for construction drawings** before giving contractor an approval.
- **Reported to Project Manager.**

2. Kashec Engineers Pvt Ltd – Structural Detailer - 17th Dec 2018 to 31st May 2020

Roles and Responsibilities:

- Extracting different structural elements from Revit 3D Model, I have detailed these elements by referring design intents/Bending moment & Shear force diagrams. Considered splices, Lap lengths, anchorages and cover according to British codes.
- Detailed the openings, floating columns, Flat slabs, Pile caps, rafts, Continuous beams, and Structural walls, following the British codes and sometimes applying the engineering knowledge. Detailed the complex joints where multiple layers of reinforcement are to be placed.
- **Designed** some **residential** composite load bearing **structures** manually, **situated in UK.**
- **Designed** a **passenger jetty** by using Indian standards.

Type of works undertaken till date:

1. Detailing of various infrastructural projects & residential complexes situated in UK. This includes **detailing of Piles, Bridge Deck, Flat slab, Continuous beams, Shear wall, Column** etc.
2. **Manual design** of various residential load bearing **structures situated in UK.**
3. Analysis and design of **jetty.**
4. **Reviewed and commented on the design,** FEM model and drawings submitted by the contractor. The structures reviewed includes; **Retrieval Shaft, Launching Shaft, Cut & Cover boxes, Utility Boxes, Ramps, Cantilever Promenade, Retaining wall, Cross Passages, Tunnel Head wall, Tunnel exit seal, RCC and Steel cradle, Reaction frame** etc.
5. **Visited site frequently to check** if the **execution** is taking place as per the **approved design and the drawings.**
6. **Reviewed construction methodologies** of the above mentioned structures.
7. **Attended meetings** with the client, contractor and general consultant for different aspects of design and other issues.
8. Involved in **writing contractual letters** and non-conformance report whenever necessary.

Career Interests

1. Design of Structures based on sound Engineering Practices along with the National and International codes & standards. To work as an on-site structural engineer or project engineer.
2. **To work as an on-site structural engineer or project engineer (Structural).**
3. Review As-built drawings and assist with collection of design information required in the project. Verify existing site condition.
4. To prepare and review of structural / civil engineering deliverables such as Calculation, Design drawings and other information.
5. To define problems, establish the work scope, planning the work, providing technical direction, and reporting the work status.
6. To learn and support experienced engineering team.
7. Prepare method statement and engineering proposal.
8. Attend meetings with clients, contractors and authority organizations.
9. Carry out site inspection and site supervision
10. 2D & 3D detailing of different structural members like, Pile cap, Column, Beam, Slab, Retaining wall etc., as per Indian and British standards.

Core Competencies

Design (Composite load bearing structures based in Britain, Jetty, Retaining wall, Promenade, Underground cut & cover and utility boxes)	Design & Methodology review (Launching shaft, Retrieval Shaft, Cantilever Promenade, Tunnel Cross Passages, Underground cut & cover and utility boxes)	On Site Problem Solving & Trouble Shooting
Detailing: Hands on experience of 2D & 3D detailing using Indian and British codes.	Documentation: Keeping the record of different correspondences understanding their importance as the project proceeds, writing contractual letters, raising Non Conformance report wherever the project norms and values are compromised.	STAAD Pro; ETABS; REVIT

Internships & Projects

1. Worked as an **intern** in a **multi-level car parking facility** for LULU Mall, Kochi. The consultant which gave me an opportunity was **TRC Engineering Pvt. Ltd. Kormangala, Bangalore: 560 095**
2. Worked as a **design intern** on a **residential building project** based in **Mysore, Karnataka**. The consultant which gave me an opportunity was Yashas Consultants, Mysore.
3. **Manufacturing of mud concrete masonry block using construction and demolition waste**. This project was carried out with the help of Mrinmayee Consultants on Mud blocks and building alternatives & Material testing laboratory. (Project in BE)
4. **Analysis of T Beam Bridges by using CSI Bridge Software**. (Project in M-Tech)

Academic Achievements

1. Presented a paper entitled “**Analysis of T Beam single and Multi – Span Bridges**” in 8th International conference on emerging Trends in engineering held at NMAMIT, Nitte.
2. Attended seminar on **research and application of innovations in highway technology** held in M S RAMAIAH, Bangalore.
3. Attended workshop on “**CSi Bridge and ETABS**” in association with OCEAN and FE Designs organized by department of Civil engineering, NMAM Institute of Technology, Nitte.
4. Attended National level work shop on “**Innovative Design and Construction Practices in Highways, Bridges and Flyovers**” Organized by Department of civil engineering, Global Academy of Technology, Bengaluru.
5. Attended workshop on “**Practical approach on recent advancement in civil engineering and sustainable development**” Organized by the department of civil engineering, NMAM Institute of technology, Nitte.
6. 3rd rank in 8th semester of Bachelor of Engineering.
7. My project in Bachelors was the second best project in my branch.
8. Received 1st prize in technical quiz competition held by TECTON.

Standards and Codes Used

1. Comprehensive understanding of Indian standards such as, **IS 456, IS 1893, IS 13920, IS 875, IS 800** & also few of the **IRC codes such as, IRC 5, IRC 6** etc.
2. Used British standards such as **EC2, BS 8666:2005, BS 8110, BS 5628, BS 5268** etc.

Software Used

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|--------------------------|--|
| 1. Drawing& BIM: | AutoCAD 2018 |
| 2. Structural Analysis: | STAAD Pro V8i, ETABS, CSi Bridge |
| 3. Structural Detailing: | CADS RC, 3D Detailing Revit, Navisworks for clash check |
| 4. General Office Work: | MS Office |

Hobbies & interests:

1. Cricket: have lead a cricket team during sport event conducted during M Tech.
2. Jump ropes: Developed a new interest during lock down period of jump roping. I can make 3000 jump ropes within half an hour.
3. To learn new language: Learnt Kannada which was completely a new language for me. I am in the process of learning Modern Standard Arabic.



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Date: 20-05-2022

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