

## ROOMA KUMAR

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Date of Birth: June 19, 1994

### CAREER OBJECTIVE:

Dedicated professional with a bachelor's in Civil Engineering, a master's in Construction Management, and three years of industry experience. Aspiring to inspire future engineers as a Lecturer by leveraging expertise in construction practices, and project management. Committed to fostering an engaging learning environment and contributing to academic research in engineering.

### EDUCATION:

**MEM Construction Management** (January 2021- August 2023)

**CGPA: 3.76**

-NED University of Engineering and Technology, Karachi.

**B.E. Civil Engineering**, (January 2012- January 2016)

**CGPA: 3.68**

-NED University of Engineering and Technology, Karachi.

- **Thesis Title:** Finite Element Modeling of a Building Frame.

**Aim:** To determine the significance of FEM over classical methods

**Objectives:**

- To analyze the building frame subjected to gravity and earthquake Loads by classical methods.
- To develop a finite element model for analysis of a building frame subjected to gravity and earthquake Loads.
- To make a comparison among the results of the two.

**Higher Secondary School Certificate**, (September 2009- September 2011)

St. Lawrence's Govt. Girls Degree College, Karachi.

**Secondary School Certificate**, (July 2007- July 2009)

Sindh Madarsatul Islam School, Karachi.

### WORK EXPERIENCE:

**Sindh Engro Coal Mining Company Pvt. Ltd.**

-Construction Officer (September-2018 to November-2018)

- Developed construction schedules, coordinated with stakeholders, and aligned activities with approved timelines and budgets.
- Monitored construction activities, ensured compliance with designs and safety standards, and resolved on-site issues.
- Prepared cost estimates, managed resources, and controlled expenditures.
- Enforced safety standards, ensured site compliance with building codes and regulations.

**Sindh Transmission and Dispatch Company Pvt. Ltd.**

-Management Trainee (Civil) (May-2017 to August 2018)

- Foundation design of towers.
- Prepared and maintained detailed project records, including progress reports and safety logs.
- Assisted with billing, cost tracking, and project handovers.
- Fostered effective communication among different stakeholders of the project.
- Addressed on-site challenges and implemented practical solutions to the problems.
- Prepared and maintained detailed project records, including progress reports and safety logs.
- Maintained and enforced quality, safety, and environmental standards on-site.

**Mushtaq and Bilal Consulting Engineers.**

- Structural Engineer (January-2016 to October-2016)

- Strengthened existing structures.
- Reviewed soil reports.
- Complete structural design of a multi-story residential building.
- Developed structural drawings on AUTOCAD.

### **INTERNSHIPS:**

#### **Paragon Constructors Pvt. Ltd.**

-Internee (December 2014 to January 2015)

- Acquired knowledge about execution of work on site.

#### **NESPAK (Pvt.) Ltd.**

-Internee (May-2014 to June-2014)

- Worked on structural design and detailing of commercial building project.

### **KEY PROJECTS:**

- Quality management in construction projects.
- Financial feasibility analysis of Engro Fertilizers.
- Study of a government Organization (Karachi Municipal Corporation KMC) from the view point of financial condition, asset management system, disaster management system and Public private partnership.
- Assessing the feasibility of ground upgradation technique through Vibro-flotation method.

### **PRESENTATIONS:**

- Canal Design.
- Stress Management.
- Linear Programming for a business of pre-cast concrete cover.
- Video project- Analyzing productivity of a construction project.

### **SKILLS:**

MS OFFICE  
ETABS  
GRASP

AUTOCAD  
SAFE

### **STUDY VISITS:**

Bahria Town Icon, August 2015  
Hub Dam, March 2014

Lucky cement, September 2014

### **VOLUNTARY WORK:**

Worked for the eradication of Polio with Rotary Club.

### **ACHIEVEMENTS:**

- 10<sup>th</sup> merit position in the Bachelor of Engineering.
- Won laptop from Prime Minister Laptop Scheme.
- Received scholarship from Ministry of Religious Affairs & Interfaith Harmony.
- Consistently stood first rank in the poster competition held on world water day in St. Lawrences college.
- Merit Award on securing A-1 Grade in 10<sup>th</sup> Standard.
- First position in speech competition at school.

### **REFERENCES:**

References shall be furnished on demand.