

## **BHARATH KUMAR MANOHARAN**

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### **Career Objective**

To utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing the projects.

### **Summary**

- Excellent communicator, Sincere and dedicated professional, with ability to handle multiple tasks and activities in a high pressure environment with deadlines.
- Self-motivated with strong team spirit, time management and multi-tasking skills. Ability to work independently with little supervision as well as ability to work effectively as team members.
- Two projects selected in international journal and published in the Year 2016 and 2017.
- Presented one of my project in International Conference held at SRM University, Chennai.
- Has the ability to work in a fast paced environment, Good team player and can work independently.
- Developing design ideas using software like Autocad, Revit Architecture, Staadpro v8i, RCDC.
- Make drawings, specifications and computer models of structures for building contractors.
- Analyses the configurations of the basic structural components of a building or other structure.
- Liaises with other designers to agree on safe design and their fit with the aesthetic concept of construction
- Liaises with construction contractors to ensure that newly erected buildings are structurally sound

## Work Experience

**MGO Premium Co WLL, Kuwait**

**January 2020 to present**

### **Steel Structural Engineer**

- Experienced in Light Gauge Steel design with Framacad.
- Prepare Erection drawings, assembly drawings and execute in site.
- Design residential buildings using Framacad Structure and do necessary changes and edit in Framacad Detailer.
- Experience in Cold formed Steel, Hot Rolled Steel.
- SOFTWARE EXPERTISE – Framacad, Autocad, Staadpro.

**BGR Constructions LLP, Mumbai**

**November 2018 to  
November 2019**

### **Civil and Structural Engineer**

- Successfully completed 3.90 lakhs square feet warehouse for **Amazon Seller Service Private Limited (BOM-7)** in Mumbai within 11 Months .
- Prepare drawings, specifications and execute in the site.
- Designing of foundation details and drafting the details.
- Ability to perform the basic analysis by Staadpro for designing.
- Check the drawings and make the necessary changes as per the site condition.
- Experience in steel Structures, PEB Structures, RCC structures.
- SOFTWARE EXPERTISE – AutoCad and Staadpro, RCDC.

**VRV Consultancy & Services, Madurai, India**

**June 2017 to September  
2018**

### **Project Co-ordinator**

- Worked as a project co-ordinator.
- Building and maintaining healthy business relations with client by providing claims review and analysis, quantity surveying expertise and contracts advisory services.
- Prepared working drawings in compliance with design development.
- Prepare drawings, specifications, models and other aspects of structures design.
- Provide structural evaluations, design service and rehabilitation guidance for building structures.
- Entrusted with senior-level engineering tasks including structural calculations, written responses to owners' concerns and project closeout report.
- Coordinated with contractor(s) to establish action plans to correct progress deficiencies and maintain schedules.
- SOFTWARE EXPERTISE – AutoCad, Staadpro

**Central Public Works Department, Bangalore – India**

**June 2016 to December 2016**

**As an Intern**

- Worked as a trainee structural engineer in CPWD projects.
- Completed water tank design and calculations for the CPWD project.
- Material estimations and calculations.

**Hayakriva associates and builders, Chennai – India**

**August 2014 to March 2015**

**Site Engineer**

- Design and supervision for school building in Chennai.
- To do the estimation for building materials.
- created a database that tracks man hours, vendor usage, budget and project progress.
- Prepared field fixes to accommodate for construction issues and defective supports.

**Educational Qualification**

Examination	Discipline/ Specialization	School/college	Board/ University	Year of Passing	%
M.Tech	Structural Engineering	Vellore Institute of Technology, Chennai	Vellore Institute of Technology, Chennai	2017	7.48/10
B.E	Civil Engineering	K.S. Rangasamy College of Technology (Autonomous)	Anna university Chennai	2014	7.99/10
H.S.S	Computer Science + Maths Stream	CEOA Matriculation Hr. Sec. School	State Board	2010	84.9
S. S. C	S.S.C	CEOA Matriculation Hr. Sec. School	Matriculation	2008	78.4

## Academic Projects

- Project Name : **Study on behavior of cold formed hollow steel sections under flexure with and without infill material.** (August 2016 to April 2017)  
  
Description : In this project the flexural behavior of cold formed hollow steel section is studied with and without infill materials. The infill materials are of normal convectional mix concrete and flyash quarry dust mix concrete.  
  
Publications : International Journal of Multee-Disciplinary Research, Volume 3, Issue 2, March-April 2017
- Project Name : **Efficiency of RC beam-column joint by varying the parameters in reinforcement using Ansys.** (January 2016 to April 2016)  
  
Description : The main objective of this investigation is to study the efficiency of beam-column joint analysis in RC structures by varying the parameter in reinforcement using Ansys 14.5
- Project Name : **An experimental study on optimum usage of recycled aggregate as partial replacement for the compressive strength of concrete.** (July 2015 to November 2015)  
  
Description : The main objective of this investigation is to study the optimum usage of recycled aggregate as partial replacement of fine aggregate for the compressive strength. In each mixture recycled aggregate is added in amount of approximately 5%, 10%, 15%, 20%, 25%, 30%, 35%, 40% as a replacement of fine aggregate. The efficiency and maximum content of recycled aggregate will give the maximum compressive strength  
  
Publications : International Journal of Emerging Technology and Advanced Engineering August 2016
- Project Name : **Effect of Mesh Reinforcement on Ferrocement Laminates by Flexural strengthening of RC beams.** (July 2013 to March 2014)  
  
Description : Ferrocement is a type of thin wall reinforced concrete commonly constructed of hydraulic cement mortar reinforced with closely spaced layers of continuous and relatively small size wire mesh. The mesh may be made of metallic or other suitable materials. In this project experimental investigation on flexural behavior of RC beams of size 1220 mm x 100 mm x 150 mm strengthened with ferrocement laminates with chicken mesh reinforcement will be made. The behavior of RC beams will be studied in terms of first crack load, ultimate load, and load deflection curve and energy absorption.

## Certifications

- Certified LGS Designer with Framacad Software.
- Certified as Professional in Building Design (AutoCAD, Revit Architecture, Staadpro, RCDC) in CADD center Training Services Private Limited at the year July 2013.
- Certified in ETabs in CADD center Training Services Private Limited at the year December 2015. (License number - A151227888)
- Certified in Ansys Civil in CADD center Training Services Private Limited at the year December 2015. (License number - A151227888)
- Certified in Tekla Structural in Trinkets Institute of Technology Pvt. Ltd in the year June 2019. (Reg No. U80904MH2016PTC285900)

## Co-curricular Activities

- Won first prize in quiz conducted by CONTRAFLEXURE'13 by Mepco Schlenk college of engineering, Sivakasi
  - Participated in design competition conducted by CADD CENTRE
  - Attended a workshop on RECENT TRENDS IN CIVIL ENGINEERING conducted by Annapoorna College of Engineering, Salem
  - Presented a paper on Ground Improvement Technique at Karpagam University, Coimbatore
  - Attended a workshop on the topic PROJECT MANAGEMENT conducted by Vellore institute of technology, Vellore.
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## Passport Details

- Passport Name : Bharath Kumar Manoharan.
  - Passport No : L4121947
  - Date of birth : 18<sup>th</sup> June, 1993
  - Date of Issue : 27<sup>th</sup> July, 2013
  - Date of Expiry : 28<sup>th</sup> July, 2023
  - Permanent Address : 67-A, Main road, Thabal thanthi nagar, Madurai-625017
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I hereby declare that all the above said details are true to my Knowledge.

Yours sincerely

(M Bharath Kumar)