


# Avinash M S

#10, "GOWRISHA", Block-26,   
Madhuvana layout,  
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## Profile Synopsis

- A professional with over 2 years' experience as Graduate Structural Engineer
- Currently Working in Mott MacDonald, India
- Updated with industry trends
- Exposure to various application software's like AutoCAD, Revit, Staad Pro, Robot, SAFE, Etabs, RAM Concept, Tedds and Dynamo.
- A team player, effective communicator, good reasoning and analytical skills

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## Experience

DECEMBER, 2016 – PRESENT

### Structural Engineer / Mott MacDonald, India

- Assisted in preparing structural design of Steel Structures, Concrete structures and Timber structures.
- Exposure to International codes and standards (Eurocode and American Code).
- Project Coordination with other disciplines during detailed design.
- Preparation of design specifications, reports.

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## Projects

### GTAA-Terminal 3, Toronto Airport, Canada.

- Responsible for preparation of Revit Model from As-built drawings for Terminal-3, Toronto airport for further expansion.
- Responsible for raising, RFI's, Quality checking of Revit model with Level of detailing (LOD)-300 from the As-built drawing available.

### RVRSA Contract-Chemical feed and filtration facility

- Responsible for the detailed design of PEB steel structure and all components as per American codes and standards
- Responsible for preparation of Co-ordinated Revit Model and production of GA and RC drawings.

### Sheringham Leisure Centre

- Assisted in the detailed design of steel structure in preparation of drawings as per Eurocode with UK National annexures

- Responsible for doing detail design of unreinforced and reinforced isolated and combined foundations.

### **Mauritius Sports Complex, Mauritius**

- Assisted in the preparation of GA and RC detail drawings and Schedules
- Responsible for doing preliminary design and detailed design of Masonry structure as per Eurocode
- Responsible for doing detailed design of flat slabs, suspended RC slabs, Columns, Beams, Shear Walls, RAFT foundations, pile foundations, Pile-Raft systems and preparation of detailed structural drawings.
- Assisted in Construction support Stage.

### **Qatar Pedestrian Master Crossing Plan**

- Assisted in the preliminary design of Steel Foot over Bridges for 21 locations and preparation of design report as per Eurocode and Qatar Specifications
- Responsible for doing preliminary design and extracting preliminary Steel member sizes and successfully delivering the project in a short span of 1.5 months for all locations.

### **Manchester Transportation Garage, Ocean County Project**

- Responsible for being the project coordinator with the lead team and preparation of structural drawings in AUTOCAD as per the mark-ups received as per American codes/Standards.
- Responsible for coordination with other disciplines during preparation of drawings. (Architecture, Fire Fighting, PHE)

### **CC-34, DMRC**

- Design Verification check of PEB structure.
- Connection of steel columns with concrete columns
- Preparation of structural drawings for PEB structure and design verification report.

### **Manchester Garage, Ocean County Project**

- Preparation of Design Basis report as per American codes/Standards(ACI, AISC)
- Responsible for Preparation of detailed structural design, structural drawings and BIM model for timber structure, PEB structure in Revit.
- Responsible for Preparation of detailed design for Timber structure with stud walls, headers, jack studs, wood shear wall, bottom plate and top plates and Simpson-Hurricane ties for connections.
- Responsible for delivering Coordinated Structural BIM model and coordination with other disciplines (Architecture, Electrical, PHE, HVAC, Fire Fighting) during detailed design.

### **DVE for Doha Metro Al Sadd Entrance Station**

- Detailed study of drawings for the entrance shelter to verify the geometry with AutoCAD file.
- Preparation of Comments log if any discrepancies found.
- Prepared model in ROBOT of more than 2000 steel members with different member properties.
- Analysis and design verification of all members based on design basis report
- Preparation of detailed design report.

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## EDUCATION

APRIL, 2016

**M.TECH in STRUCTURAL ENGINEERING /**

**VIT University, Vellore**

- 9.26

JULY, 2013

**B.E. in CIVIL ENGINEERING /**

**The National Institute of Engineering, Mysore**

- 8.69

MAY, 2009

**II P.U.C /**

**VVS VVS GOLDEN JUBILEE PU COLLEGE, Mysore**

- 88.16%

MARCH, 2007

**SSLC/10<sup>th</sup> /**

**VVS PNHS, Mysore**

- 95.20%

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## SKILLS

### Application Software:

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|-------------------------------|---------------|
| • AutoCAD                     | • Revit       |
| • Dynamo                      | • Staad Pro   |
| • Robot                       | • RAM Concept |
| • Tekla Tedds                 | • Etabs       |
| • SAFE                        | • Abaqus      |
| • BIM 360 Document Management | • CUFSM       |
| • Projectwise                 | • MS Office   |

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## CERTIFICATION COURSES

- AutoCAD
- Staad Pro

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## PERSONAL DETAILS

- DATE OF BIRTH : 9<sup>TH</sup> NOVEMBER 1991
- LANGUAGES KNOWN : KANNADA, ENGLISH, HINDI
- MOTHER TONGUE : KANNADA