

Resume: Pranil Suhas Mastakar

Qualification: B.E. Civil Engineering , Mumbai University 2015

Experience: 2.5 - yrs - Structural Design Engineer

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CAREER OBJECTIVE:

- To apply the technical knowledge effectively alongwith sound management of time and manhours and learn new possibilities.
- To establish sound technical sense in self and the team.
- To obey industry standards and ethics.
- To be sincere towards responsibilities.

INDUSTRY EXPERIENCE - 2 YEARS 7 MONTHS:

- Designation : Structural Design Engineer

Company : Citec Engineering India Pvt. Ltd. (<https://www.citec.com/regions/citec-india/>)

Duration : (1 year 7 months) – December'16 to June'18 (to present)

- Designation : Structural Design Engineer

Company : Engineering Creations Consultancy (I) Pvt. Ltd. (<http://www.eccipl.co.in>)

Duration : (1 year) - September'15 to August '16

PROFICIENCY IN:

- Staad-pro for steel superstructure design
 - Analysis and design of Steel structures namely Piperack, Enginehall, Stack structure, Filter platform, Utility block, Modular oil Skid, Top platforms on columns and vessels and sunsheds.
- Etabs for analysis and design of RCC structures
 - Residential Villas and multi-storey apartments as well as Industrial shelters.
- Mat3d for foundation design
 - Design of spread Foundation for Piperacks.
- Tekla X-steel for modelling
 - Basic modelling of a Stair tower.
- Hilti and Peikko for anchor bolt design
 - Softwares used for the design of Anchor bolts.
- Microsoft Excel for calculations
 - Loading application sheets for piping loads, wind loads, earthquake loads and Design calculation for Connection design by AISC code.
- Manual calculation for RCC Beam detail, Foundation design and Retaining wall design.

DETAILS OF PROJECTS WORKED ON:

- Piperack for Thyssenkrupp India
 - Analysis and design of Piperack for ammonia synthesis in Brunei Fertilizer Industries with Eurocode in Staad-pro. (125 Ton approx.)
- Piperack for Petrofac India.
 - Analysis and design of Piperacks for end client Kuwait Oil Company with American code and Saudi Aramco standard using Staad-pro and spread foundation design with Mat3d. (50 Ton approx.)
- Modular oil skid for Al Zamil
 - Analysis and design of Modular oil skid platform for Al Zamil Heavy Industries with American codes and Saudi Aramco standard in Staad-pro alongwith Lifting analysis.
- Stack and supporting steel structure for Berkprai Cogeneration Project
 - Analysis and design of 30m Stack and supporting steel structure with American code using Staad-pro and dynamic wind loading as per ASME code.
- Engine power plant for Wartsila
 - Analysis and design of Electrical Equipment Building, Engine Hall with radiators on top, Filter platforms and miscellaneous structures for Engine Power plant for Wartsila.
- Top platforms for Linde
 - Analysis and design of Top platforms for Linde Tobolsk petrochemical plant with Russian code.
- RCC Structures for Parle Agro
 - Analysis and design of Utility blocks, Administration building, Canopies and Foundation design using Indian Code of practice.

BASIC ACADEMIC CREDENTIALS :

Qualification	Board/University	Year of passing	Percentage Secured
Bachelor of Civil Engineering	Shivajirao S. Jondhle College of Engineering & Technology, Mumbai University	2015	60.2%
Higher Secondary School	Abhinav Vidyalay	2009	68%
Secondary School	Indian Education Society's Chandrakant Patkar Vidyalay	2007	84%

DEGREE PROJECT:

- Comparison between two structural framing geometries regarding their efficiency in material and behaviour using Etabs titled as “**Biomimicry**: Honeycomb’s hexagonal efficiency in RCC structure.”

EXTRACURRICULAR LEARNING :

- Visited construction site for Waterbound Macaam Roadwork as a Site Engineer.
Duration :- 3 months (Feb’14 –Apr’14)
- Visited as Student at Raman Research Institute for research in Cement Nanotechnology.
Duration :- 1 Month (January 2012)

IT PROFICIENCY:

- StaadPro, Etabs, Tekla, Navis, Mat3d, Mathcad, Autocad, Poimu, Hilti, Peikko.
- Microsoft Office Word, Microsoft Office Excel, Microsoft Office Power Point.
- Familiar with Sap2000, MidasGen.
- Internet Browsing etc.

INTRESTS & SKILLS:

- ❖ Structural Design.
- ❖ Composite Column and Fire design.
- ❖ Economic utilization of building materials.
- ❖ Green building, solar energy, alternative building methods.
- ❖ Urban Planning and Architecture.
- ❖ Artificial intelligence, Automation and Unity3D game development.

PERSONAL DETAILS:

- ❖ Date of Birth :- 24th January 1991
- ❖ Languages Known :- English, Hindi & Marathi.
- ❖ Marital Status :- Single.
- ❖ Nationality/Religion :- Indian / Hindu
- ❖ Hobbies :- Guitar , Sculpture, Dance, Cinematography, Reading, Ambigram design.