

# SANDEEP YADAV Y

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A versatile and high energy professional targeting opportunities as **Offshore Structural Engineer (but ready to work in any position related to oil and gas and Engineering)** with an organization of high repute; Location Preference: **Singapore/ UAE/ India.**

## PROFILE SUMMARY

### PERSONAL DETAILS:

Father's Name : YERAPPA K

Mother's Name : ASHWINI

Date Of Birth : 9th Feb 1997

Gender : Male

Nationality : Indian

Marital Status : Single

ADDRESS : #22,1st cross ITI layout,  
Doorvaninagar  
Bangalore 560016

### Languages known:

English,  
Kannada,  
Hindi,  
Telugu,  
Tamil.

- A Civil Engineer with **3 years 4 months of experience** in Structural engineering in offshore platforms and Civil engineering.
- Proficient in swiftly ramping up projects like offshore platforms & process modules with competent cross-functional skills
- Holds knowledge of codes, standards and regulatory guidelines that apply to design disciplines.
- Exposure of designing industry related to offshore deliverables.
- Proficient in **SACS, STAAD PRO & Microsoft Office.**
- Interned at SOMA (BMRCL) on metro construction works.
- Quick learner with excellent communication, analytical & interpersonal skills; well organized with a track record that demonstrates self-motivation & creativity to achieve corporate & personal goals

## EDUCATION

- **B.E** in Civil Engineering from BMS College of Engineering, Bangalore in 2018; secured 9.06 CGPA
- **12<sup>th</sup>** from St. Joseph College, Bangalore in 2014; secured 93.64%
- **10<sup>th</sup>** from Gayathri educational trust in 2012; secured 96.64%

## PROFESSIONAL EXPERIENCE

Since Sep'18 with O.C.S. Designs, Bangalore as Structural Engineer

### Job Profile includes:

- Lifting, On-bottom stability, transportation and Load out analysis for Jacket.
- Sea fastening for Winch-sheave-fairlead systems, Pile, and Jacket.
- Design of Concrete foundation, Anchor bolts, Hilti anchor bolts.
- Rigging, Padeye and Spreader bar design for Offshore and subsea lifting.
- Trunnion and mud mat design check.
- Bumper and guide design, barge structural integrity checks.
- Trench stability analysis, grade slab design.
- Vortex shedding and Anode requirement calculations, Clamp design.

## **Projects Executed:**

### **Project Title: Vestas**

**Project Description:** Barge movement and mooring handling during the installation of wind turbine generators.

**Period: August 2020 to September 2020**

#### **Highlights:**

- Winch-Sheave-Fairlead System, HPU Sea fastening.

### **Project Title: Meindo**

**Project Description :**Transportation and Installation engineering of the Topside and Substructure

**Period: September 2020 till date**

#### **Highlights:**

- Jacket transportation analysis for hog and sag deflections , Jacket sea fastening with skid beam design check.
- AHT Bollard design.
- Railing check on launch beam for impact load during launching.
- Re-route tubing check during launching.
- Upending padeye check for leveling loads, and vertical lift condition.
- Topside rigging design

### **Project Title: Modec riser repair project**

**Project Description:** The project intends to install a 3" riser along the existing damaged 6"riser.

**Period: May 2020 to July 2020**

#### **Highlights:**

- Friction clamp design.
- Rigging, padeye and spreader bar design for buoy shifting in subsea condition.
- Anchor bolt design for DMA.
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### **Project Title: Chiyoda Pesek**

**Project Description:** The project intends to execute a pull of a new 3 pipe bundle through an existing 24" subsea pipeline

**Period: February 2019 to May 2020**

#### **Highlights:**

- Rigging design for Pig launcher
- V roller and hold down roller design
- Foundation, base plate and Hilti anchor bolt design for Winch

### **Project Title: Kris-Energy**

**Period: June 2019 to March 2020**

#### **Highlights:**

- Jacket transportation analysis
- Pile Sea fastening

### **Project Title: BW Offshore Energy**

**Project Description :**The project intends to develop Ruche field located in the Dussafu block of offshore Gabon in a water depth of approximately 115 meters.

**Period: Novemer 2019 to April 2020**

#### **Highlights:**

- Jacket Lifting analysis
- Jacket Trunnion and Closure plate design check.
- Jacket On-bottom stability analysis and mud mat design check
- Vortex shedding and Anode requirement calculations.
- Making the M.T.O (Material Take Off)

**Project Title: LTHE**

**Project Description :** This project intends to re-develop the Neelam field located in the Heera-Panna Block of Mumbai offshore.

**Period: September 2018 to January 2019**

**Highlights:**

- Rigging design for Topside and boom.
- Bumper and guide design.

**Project Title: SRIRACHA**

**Project Description:** Installation of new Pipeline.

**Period: September 2020 to March 2021**

**Highlights:**

- Dredging arm design-to dig, transport water laying soil.
- A frame design and winch grillage beam design with under deck strengthening.
- .Pipe haul barge sea fastening
- In house Davit check.
- Spool lifting analysis.
- Chaser frame design.

**Project Title: SHELL**

**Project Description:** Design and Installation of new Pipeline

**Period: MAY 2020 to JULY 2021**

**Highlights:**

- Design of ILT (Internal lifting tool) for pile lifting, which includes mandrel, wedge, gripper plate, ILT arm, external body design, FEM of Mandrel ILT in SACS. ILT is design checked for 600mt vertical loading, and 125mt horizontal upending load

**Project Title: SHELL PIPELINE  
REJUVENATION PHASE-2**

**Project Description:** Design and Installation of new Pipeline

**Period: SEP 2021 to OCT 2021**

**Highlights:**

- Onshore and Offshore trench stability analysis for laying of new pipeline.
- Concrete Pipe support design for 48" and 3" pipe lines in accordance with Eurocode2.
- Reinforcement design for grade slab and foundation design check as per Eurocode2.

**Project Title: PTTEP**

**Project Description:** Tripod decommissioning

**Period: August 2021 to Present**

**Highlights:**

- Topside, A frame, Access platform Lifting analysis and clamp design.

**Project Title: Scale solution**

**Project Description:** De-scaling of heat exchanger units at Vedanta/ Cairn oil reserve.

**Period: March 2019 to April 2019**

**Highlights:**

- Commissioning engineer for installation of Skid and testing.

**INTERNSHIP:****Project Title: BMRCL METRO**

**Period: May 2018 to June 2018**

**Highlights:**

- Worked as an Intern in Bangalore metro, had an insight on casting of segments, Pile marking, Pile casting and other metro constructional activities.

**Project Title: PRIDE**

**Period: June 2018 to Aug 2018**

**Highlights:**

- Worked as an Intern in Pride, had an insight on site survey, Isolated and spread foundation making-casting and other constructional activities.