**Resume**

**PAVANKUMAR NAGINENI Email:** [**pavankumarnagineni@Yahoo.com**](mailto:pavankumarnagineni@Yahoo.com)

**Location: Gurgaon Mobile: +919625875826**

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**Professional Summary**: Civil Engineer with more than 3 plus years of experience in infrastructure Analytical Structural Engineer focused on applying engineering principles using both traditional and innovative methods like, Bridges, Long span bridges, Structural design Workshop, Control etc. Superstructures and substructures detailed design. Experience in site supervision, construction works, accountancy, tendering and evaluation.2 plus years of Experience in Design Engineer in Cyient.Ltd. Hyderabad .1 Years of Experience in Design Engineer in Kutumbh Care Pvt Ltd. Bangalore

**Professional Qualifications** :

* M.Tech(structural engineering) from Rise Prakasam Group Of institutions under JNTU KAKINADA course have credits was completed. Project work to be submitted
* B. Tech (civil engineering) from Rise Prakasam Group of Institutions under JNTU KAKINADA.

**Professional Experience**:

**Cyient.Ltd (**InfoTech enterprises Ltd**.), Hyderabad. (**Design Engineer, June 2016- To Aug 2018**)**

**Project:Alliander Road Networks –Netherlands**.

**Duties and responsibilities**: Netherlands Road network of paved imperial roads would be created. The Performs basic drawing layout and plan drawings from sketches prepared by designers using Auto Cad, Micro Station and 3D platforms. Calculating structural design and preparing bridge construction plans for SC projects Contribute to company improvements in work flow, Performs dimensional and routine calculations required for the preparation of drawings. Bridges, transport policy and planning, general technical .the drafting requirements. Designing structures with project team members maintaining technical knowledge and educating design team on the latest Caltrans seismic design procedures Performing and reviewing design calculations. Developed bridge and retained wall plans and details as required .Prepared and checked design drawings and specifications Designed concrete portions of the bridges using a variety of design and analysis tools. Performed site assessments of multiple bridges throughout performed analysis, and made recommendations to the State regarding repairs or replacements that may be needed. Structural design (sub-, superstructure, & shoring) Prepare Drawings of Foundation layout plan Prepare foundation drawings for substation equipment, control building and cable trench layout Prepare RCC floor plans, beams section, column section Combination according to EN 1990, 6.5.3.2 (2) with partial factors according to EN 1990, A.2 values in EN 1992-2 and EN 1994-2 by a factor of 1.35.For calculation of pier deformations key = 0, 5 may be applied to geometric Member imperfections in EN 1992-1-1, 5.2 EN 1990.The preloading or pressurizing process leading to structural shape or behavior as required. Preparation of Road and Culvert layout. The substation equipment and connection details for same. Prepare Drawings of Architectural plan.

**Project: SEC (Sothern California Edison).USA- Electrical Network.**

**Duties and responsibilities**: The role of a civil engineer starts the moment plant construction starts. Initially there are no structures, no buildings, no towers, it's all flat ground. The construction division of an engineering firm engages its civil engineers to start the activity. Utility structures must be designed to support conductors, equipment, hardware, as well as the cables of other companies such as telephone and cable tv (cat.)In addition to supporting these loads, against the structure and all the equipment and conductors attached to the structure designers, drafters, and design disciplines Designers prepare layouts and drawings and finalize them after customer reviews. Load calculations are done and based on static equipment or otherwise the concreting is done. Approved foundation drawings are received on site. Accordingly construction is started. The entire structural work is inspected by engineer. Developed performance calculations for boilers, turbines, heat exchangers, pumps, fans, etch bending moment, sheer force of the pole. Finely pole was safe are not as G NO 95 as client base.spidacalc structure analysis software has revolutionized the world of pole loading and has made its mark in the utility, A safety factor is also applied in the determination of the ultimate resisting moments of pole. One factor that must be considered in designing a pole structure is the impact of the wind pressure on the face of the pole the wind on equipment that is attached to a pole is usually minor in comparison to the wind on the pole and the conductors. Added millions in annual revenue due to improved efficiency from performance monitoring systems · Checking compatibility of support structure with electrical equipment fittings.

Responsible for preparing the drawings of the substation structure for pre-bid phase and contract execution phase. Develop drawings require the tender submission. Preparation of compound wall, Fencing and Gates for Substation. Preparation of Plumbing drawings. Preparation of drawings for different roof arrangement

**Kutumbh Care Pvt Ltd. Bangalore. (**Design Engineer in June 2015 to 2016 June**)**

**Project:Lancohoskote highway limited**.

**Duties and responsibilities**:. Construction of several imperial highways through commenced. Central government agency. Bangalore way renovations NH 4 from drainage considerations it is necessary to have a minimum cross slope to drain off the surface water. If the design super elevation works out to be less than. Road design and wending and other civil structure and road works perform and check bridge design and analysis computations. Ade sure that there was an accurate reflection and alignment of Reinforcement as per bar bending schedule. Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards. The minimum super elevation to be provided on horizontal curve may be limited to the camber of the surface. Thus, after elimination of the crown a uniform cross slopes equal. The camber is maintained from outer to inner edge of pavement at the circular curve. Perform bridge load ratings. All type soli test & bearing capacity and to study the hydrology reports. Mentored and managed junior engineers and interns throughout the training and internship process. Conducted on-site inspections in order to accurately complete weekly and monthly progress reports on projects throughout the state. Performed routine audits on load-bearing schematics retainer wall drawings and shear calculations Prepare Drawings of Foundation layout plan.

Prepare foundation drawings for, RCC floor plans, beams section, column section detailing for Buildings structure. Reinforcement detailing for Slab, Column, beams, foundations, retaining walls, culverts, cable trenches, Pile and Pile cap foundations Preparation of Road and Culvert layout.

**Key responsibilities handled**:

* Designing structures with project team members and Maintaining technical knowledge and educating design team on the latest Caltrans seismic design procedures
* Performing and reviewing design calculations Developed bridge and retained wall plans and details as required
* Assisted in design, design reviews, and Quality Control for heavy load and high-speed bridges
* Developed project design criteria, design calculations, construction details, quantities and cost estimates
* Prepared and checked design drawings and specifications
* The Contract. Responsible for the civil design at power generation facilities using Bentley Micro Station and Open Roads.
* Detailed Design Includes Grits, Bracings, Jack Beams, Mezzanines (Beams, Columns, and joists), stair cases, plate girders (crane beams), using staad.pro 2006.
* Repair construction plans for bridges and other transportation related structures using micro station. The design traffic is considered in terms of cumulative number of standard axles performs dimensional.
* Prepare foundation drawings for substation equipment. Develop contract documents such as specifications.
* Responsible for preparing the drawings of the substation structure for pre-bid phase and contract execution phase.
* Perform overall quality control of the work, in terms of time, cost and quality. To cooperate, communicate and co-ordinate effectively with team members to provide assistance and technical support.
* To interact with clients, vendors, suppliers, various department reg. smooth project execution. Prepare, schedule, coordinate and monitor.

**Key Skills:**

* Excellent communication Skills, with the ability to translate technical data into language appropriate to varied levels of Stakeholders for Senior Executive.
* Provide a range of drawing production work including site layouts, erosion control, grading plans, grading sections, road.
* Demonstrate ability to apply formulas, principles, and practices to complete required drawings & rail profiles, storm water, and details.

**Software`s Familiarized**:

* Microsoft Office, AutoCAD 2D&3D 2013. Micro Station, Bentley Micro Station V8i Arc GIS, Spida.cal. Autodesk. Google Earth.

**Codes & Standards Conversant**:

* Alliander –Netherlands road network as per Euro code: EN 1990 – Basis of structural design, EN 1991, Euro code 3: EN 1993 – Design rules for steel structuresand other Euro code
* SEC-Sothern California Edison-USA standard layout design And G.O 95 &other American Society of Civil Engineers. Related to Land base code American Society.
* Lancohoskote highway limited Bangalore High Way Renovations as per IRC, IS: 456 – code of practice for plain reinforced concrete. IS: 1786 – cold-worked HYSD steel rebar’s (grade Fe415 & Fe500).other Indian standard.

**Personal Profile**:

Name : NagineniPavankumar (S/o Srinivasa Rao)

Date of Birth : 3th August 1994

Sex : Male

Marital Status : Unmarried

Nationality : Indian

Know Languages : English, Hindi and Telugu

Address for communication : Building no: 725, SaraSwati vihar

M G road, Gurgaon - 122001

**Declaration**

I hear by declare that the above stated Information is correct and i bear the responsibility for the correctness of the above mentioned particulars.

Place: Yours Faithfully.

Date: Nagineni Pavankumar

Key words: AutoCAD Draughtsman, Staad.pro detailer, Design Engineer, civil design detail tekla detailer