**Sagar Sadashiv Harak** E-mail: - [sagarharak3@gmail.com](mailto:sagarharak3@gmail.com)

Contact No.: - 8668400912 / 7276063800

# CAREER OBJECTIVES

Seeking into professional career where I can advance existing knowledge, skill and abilities with

hard work and smart work for an organization in a challenging environment and to attain a

rewarding career.

# WORKING EXPERIENCE

1. **Enpro Industries Pvt. Ltd, Pune**

Company Profile: - Enpro has been working in design and manufacturing of mechanical fluid systems, process equipment’s, OEM & engineering services and are global suppliers of major Oil and Gas, Power, Chemical, Pharmaceutical and Fertilizer project and companies.

**Electrical & Instrumentation Engineer**

**Department** – System Division

**Tenure**: - 02 August 2021 to till date.

Job Profile

Working as an Electrical & Instrumentation Engineer, I am responsible to assist Team Lead and Senior E&I engineer in preparation and execution of engineering deliverables as per project scope.

Following are the Roles & Responsibilities:

* Study and understand customer Scope, technical specification, Basic documents & Data Validation.
* Preparation of Junction box drawing, LCS drawing, Motor starter panel drawing, IO list, Control philosophy, Alarm & trip list, logic diagram & Instrument Index document.
* Selection of protective devices, power cables and electrical equipment’s as per standards.
* Preparation & review of cable schedules, terminal schedules, ferrule schedules, Instrument BOM, Reports and cabling accessories items.
* Generating of electrical and instrumentation BOM in SAP software. Approval of GA / wiring diagrams & datasheets for electrical equipment and instruments from Customers.
* Design and Review of Engineering Drawings like P&ID, GA Drawing, and Equipment Layout, Instrument Hook-up.
* Set-up the project in WRENCH database initiation, project execution plan, project schedule, assumption list, need-list, master deliverable list and other such documents to define project.
* Knowledge of DCS & PLC system, Field Instruments and certifications like IECEx, ATEX, PESO etc and standards like IS, IEC, IEEE.
* Participate in Design Review meetings, Handover process to Customer Order Engineering and preparation of the handover deliverables, like drawings, 3D CAD model, databases, and FAT.
* Follow-up with the vendor for drawing, quotation submission and approval of project documentation.

1. **Darwish Cybertech India Pvt.Ltd (AHI-CARRIER Fzc Company), Pune**

Company Profile: - Darwish Cybertech is a sister company of AHI-CARRIER which has been working in the field of oil and gas, Process industries, Energy and HVAC solutions. Carrier experts provide sustainable solutions, integrating energy efficient products, building controls, and energy services for residential, commercial, retail, transport and engineering Projects & design, automation

**Associate Electrical & Instrumentation Engineer**

**Department** – OGP

**Tenure: -** 29 June 2020 to 30 July 2021.

Job Profile

Working as an Associate Electrical & Instrumentation Engineer, I was responsible for Design and Development of Engineering Deliverables work as per Project requirement.

Following are the Roles & Responsibilities:

* Preparation of Electrical and Instrumentation documentation as per scope and ensure timely delivery of Project documents & template.
* Perform Basic and Detailed Engineering Calculations & Drawings Assignments.
* Preparation of Electrical Load List, Instrument Index, I/O List, Instrument & Component Datasheet and specification, Junction box and E&I Cable schedule, hookup Drawing, Cable Tray Selection & Sizing Calculations and Voltage Drop Calculations.
* Understanding and review of engineering drawings including P&ID, D&ID, Schematic diagram, AFD (Air Flow Diagram) and Equipment GAD.
* Prepare and Review Project & Control Panel Drawings, SLD, As Built and Loop drawings, Equipment & Cable Tray Layouts, with the help of design software.
* Knowledge of HVAC related instrument and Equipment’s, PLC System, Engineering standard codes, Hazardous Area classification & certification.
* Preparation of Bill of Material (BOM) & MTO, RFQ, Customer Response Sheet (CRS) and Technical Documents.
* Preparation and Maintaining E&I Engineering Documents & Drawings for Approval, Co-ordinating and interacting with Clients, Review of Vendor Quotations & relevant documents.

1. **Inventive Engineering & Technology Pvt. Ltd, Nashik**

Company Profile: **-** Inventive has been working in the field of Engineering Projects & Design, Automation and are Authorized Developer of Autodesk & Propipe Software’s. Enabling customers to achieve growth by providing engineering services using automated solutions, resulting in substantially shortening the engineering cycle, Higher Productivity Accuracy and Standardization.

**Electrical Design Engineer**

**Department -** Engineering

**Tenure: -** 01 March 2019 to 02 June 2020.

Job Profile

Working as an Electrical Design Engineer, I am responsible for Detailed Project Engineering and Management work as per Project scope or client’s specification & technical feasibilities.

Following are the Roles & Responsibilities:

* To carry out technical evaluation of the electrical and instrument design & installation requirements of the project.
* Co-ordinate design activities with the client and inter team disciplines.
* Assist in preparation and selection of Electrical and Instruments equipment’s and functional testing.
* Preparation of Cable Tray, Cable Sizing Calculations and Location Layouts.
* Prepare project design documentation including D&ID, P&ID, Instrument specifications & datasheets, loops drawing, conduit / cable tray layouts, instrument location drawings, cable schedule, instrument index and all relevant complete project documents.
* Participate project related equipment selection & sizing as per standards.
* Keep track and review of all documents & design changes from clients as well as sub- contractors ensuring quality of the project documentation.

# EDUCATION QUALIFICATION

**Master of Technology (M.Tech) – Power System (Electrical)** 3.23 GPA (2019) Sandip University, School of Engineering & Technology

Nashik, Maharashtra.

**Bachelor of Engineering (B.E) – Electrical Engineering** 63.86% (2017) Shatabdi institute of Engineering & Research, Pune University

Nashik, Maharashtra.

# SOFTWARE SKILLS

Microsoft Outlook, Microsoft Word, Excel & Teams, AutoCAD 2013, Latex, PSCAD (Basic) Electrical- CADD 2016, SAP.

# CERTIFICATION COURSE

**Project Management**

Indian Institute of Technology Delhi (IIT Delhi)

**Electrical-CADD**

CADD Centre, Nashik

**Revit MEP**

Design and Drafting Institute, Nashik

# PERSONAL DETAILS

**Full Name** Sagar Sadashiv Harak

**Address** Shivprasad Bunglow, Apurva Colony, Shivram nagar,

Takli road, Jail Road, Nasik Road, Nasik, Maharashtra.

**Contact No.** 8668400912 / 7276063800

**Nationality** Indian

**Language Known** English, Hindi & Marathi

**Hobbies & Interest** Travelling, reading books, and Learning new Software.

**Declaration: -**

I hereby declare that the information given above is true to the best of my knowledge.

**DATE:**

**LOCATION:**

**SAGAR SADASHIV HARAK**