

Mahesh Santosh Patil

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PROFILE SUMMARY:

- BE Mechanical with 3 years of experience.
- 2yr of experience in **ACCESS CADD Pvt Ltd.** service industry.
- 1 year of experience in **HAL Nashik.**
- **Area of specialization:** Casting, Sheet Metal & Modular Assembly Switchgear Product Design & Development (GIS Switchgear).
- Hands on experience in cad software like Pro-E wildfire, creo3.0, creo5.0 Autocad-2014 & good knowledge of GD&T.
- Facilitate Project success with cost effective design solutions.
- Possess extensive practical experience utilizing 2D and 3D CAD modelling applications to visualize design specifications.
- Now the do the certification course of **MOULD Design** in NX (Unigraphics).

PROFESSIONAL EXPERIENCE:

PRESENT ORGNISATION: ACCESS CADD Pvt. Ltd., NASHIK.

DESIGNATION: Design Engineer since Sept.2018 to till date.

JOB PROFILE: OFFSITE ENGINEER.

- Conceptual designing & 3d modeling of Machine Components.
- Modeling of inlet manifold & gear casing cover & detail Drawing
- Conversion of 3D-2D of sheet metal components for Industry instrument Using creo3.0.
- Assemble the components using Process Assembly Plan.
- Provide all the Surface finish symbols & with strong use of GD&T.
- Complete 3-D Model of all 2-D supplied data using Pro/Engineer.
- Providing of drafts and fillets as per Casting Standards.
- Creating Sheet Metal Panel & Small Brackets as per requirement.

PREVIOUS ORGNISATION: CGL (Crompton Greaves Ltd.) (GIS Switchgear), Nashik. (Payroll of ACCESS CADD Pvt. Ltd., Nashik)

DESIGNATION: Design Engineer [1 Yr.]

JOB PROFILE: SWITCHGEAR DOMAIN.

- Worked in product development cell.
- Concept development– **3D/2D/Prototype/Working** on Switchgear part.
- Complete 3-D Model of all 2-D supplied data using Pro/Engineer & CERO.
- Reverse engineering of components (Mechanism part, CB tank).
- In house part modification to suite the design change
- The dimensions of cores have been extracted from drawing only.
- Creating concept core models according to concept part.
- **Creating large size Assembly & shipping unit.**
- Modular Design as Per customer requirement.
- Working on Panel (Sheet Metal).
- Prepare Bill of Material.

PREVIOUS ORGNISATION: ACCESS CADD PVT LTD, NASHIK.

DESIGNATION: Design Engineer [1 Yr.]

JOB PROFILE: OFFSITE ENGINEER.

- Conceptual designing & 3d modeling of Machine Components.
- Modeling of inlet manifold & gear casing cover & detail Drawing
- Conversion of 3D-2D of sheet metal components for ABB & Other Small Scale Industry Instrument Using creo-3.0.
- Assemble the components using Process Assembly Plan.
- Provide all the Surface finish symbols & with strong use of GD&T.
- Complete 3-D Model of all 2-D supplied data using Pro/Engineer.
- Providing of drafts and fillets as per Casting Standards.

**PREVIOUS ORGNISATION: HINDUSTAN AERONAUTICS LTD (HAL),
OZARMIG, NASHIK.**

DESIGNATION: Apprentice Trainee [1 Yr.]

JOB PROFILE:

- Design Engineer. (Apprentice)
- Maintaining drawing as per BOM.
- Create BOM.
- Checking quality of plated parts as per std. drawings
- Maintaining the composition of bath.
- Inspection machined parts as per std. drawings.
- Maintaining record of Drawings.

ACADEMIC QUALIFICATION:

- BE in **Mechanical Engineering** SNJB's COE, Chandwad, Nashik.
- Diploma in **Mechanical Engineering** Shree Mahavir Education Society (S.M.E.S polytechnic), Mhashrul, Nashik.
- SSC in Maratha High school Nashik.
- I completed a **CAD-CAM-CAE** training was conducted by **Access CADD Pvt. Ltd**, Nashik.
- Completed **UNIGRAPHICS** training program in **Nashik**, Ambad, Nashik.
- Completed **PLC, SCADA & HMI** Designing Professional course from Teknocrat's Academy, Satpur Nashik.

COMPUTER EXPOSURE:

CAD Software – Pro-E W/F, CREO3.0, CREO5.0, CATIA-V5, UNIGRAPHIC, Auto-cad.
(Modeling, Drafting & Assembly, mechanism and sheet meta Advance assembly), PDM – wind chill.

ACADEMIC PROJECTS & SEMINAR:

Bachelor of Engineering Project:

Name: Mulching Paper Laying Machine.

- 1) Old Components & technology used in farming with new method and arrangement with help of tractor.
- 2) **Application:** Machine is used for laying drip pipe, mulching paper& making a hole on mulching paper.
- 3) **Result:** Save the framers money, time & easy technique.
- 4) **Achievements:** Represented PUNE University at State Level Project Competition.

Diploma Final year Project:

Name: Vibro mill.

- 1) **Application:** It is used in pharmaceutical industry.
- 2) **Result:** Do not change the chemical properties in grinding option.

PERSONAL PROFILE: -

Name	:	Mahesh Santosh Patil.
Date of Birth	:	07/07/1990
Marital status	:	Single
Languages Known	:	English, Hindi, and Marathi.
Nationality	:	India.
Permanent Address	:	Plot no.15, Datta-Nagar, Peth-road, Panchvati, Nashik 422 003.

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

Date:
Place:

Mahesh Santosh Patil.