SURESH PATIL

MECHANICAL DIPLOMA GRADUATE | CNC MACHINING AND QUALITY CHECKS

Nashik, Maharashtra | +91 98765 43214 | suresh.patil@example.com

CAREER OBJECTIVE

Mechanical diploma holder with ten months of apprenticeship on a CNC turning line and a final-year project on a hydraulic press fixture. Seeking a diploma engineer trainee role in manufacturing, quality or maintenance.

EDUCATION

Diploma in Mechanical Engineering, Nashik Polytechnic Institute, Nashik 2022 - 2025

81.4% aggregate. Subjects: Manufacturing Processes, Machine Drawing, Hydraulics and Pneumatics, Production Planning

SSC, State Board, Vidya Mandir High School, Nashik 2022

88.2%

APPRENTICESHIP EXPERIENCE

Apprentice Trainee, CNC Machining, Vardhan Auto Components Pvt. Ltd., Nashik Aug 2025 - May 2026

- Ran a CNC turning center on the day shift under a supervisor and machined shaft parts to the drawing tolerances.
- Checked the main shaft diameter on the first part and every 25th part with a micrometer and the lengths with a vernier caliper, logged the results on the inspection sheet and flagged three oversize runs before dispatch.
- Prepared documented tool-offset reference sheets for six repeat part numbers, which the night shift used to set up repeat jobs consistently while following the first-part inspection step.
- Joined the weekly 5S audit and closed 12 open items on the line checklist over three months.

PROJECTS

Hydraulic Press Fixture, SolidWorks, final-year diploma project Jan 2025 - Apr 2025

- Designed a clamping fixture for a 10-ton hydraulic press in the college workshop using SolidWorks and produced 2D drawings with dimensions and tolerances; the workshop fabricated the prototype in three weeks.
- Replaced four bolts with quick-release clamps on the prototype and, under instructor supervision, cut the changeover time in the lab demonstration from 12 minutes to 7, measured over five trials.

Pneumatic Pick and Place Unit, mini project, Hydraulics and Pneumatics course Nov 2023 - Dec 2023

- Assembled a pick and place unit with two pneumatic cylinders and solenoid valves in a team of three, and drew the circuit diagram for the lab file.
- Wrote a one-page troubleshooting note covering air leaks at fittings, which the lab instructor added to the demonstration kit.

TECHNICAL SKILLS

Manufacturing: CNC turning, lathe and milling operation, jigs and fixtures, 5S, basic preventive maintenance

Measurement and drawing: Vernier caliper, micrometer, dial gauge, reading engineering drawings, GD&T basics

Software: SolidWorks, AutoCAD 2D, MS Excel

Safety: PPE use, lockout and tagout awareness, housekeeping standards

CERTIFICATIONS AND TRAINING

AutoCAD 2D Drafting, Nashik CAD Training Centre 2024

Industrial Safety Training, one day, Vardhan Auto Components Pvt. Ltd. 2025