

Arjun Pillai

Graduate Engineer Trainee – Production

Chennai, Tamil Nadu · [Phone] · [Email] · [Website or LinkedIn]

PROFESSIONAL SUMMARY

Mechanical engineering graduate with a six-month in-plant internship at an automotive component manufacturer and a final-year project on fixture design. Familiar with CNC machining, basic GD&T, 5S audits and shop-floor data collection. Uses SolidWorks and Excel, and is seeking a graduate engineer trainee role in production or quality at an automotive or engineering plant.

SKILLS

CNC machining basics · Fixture design · SolidWorks · GD&T fundamentals · 5S and Kaizen · Cycle time study · Root cause analysis · MS Excel

EXPERIENCE

Production Intern — Tier-2 automotive component manufacturer, Chennai

6-month internship

- Recorded cycle times on a CNC turning cell producing brake components and identified two idle steps in the loading sequence.
- Helped the line supervisor run a 5S drive that cleared unused fixtures and labelled tool storage across four machines.
- Logged rejection data for a month and prepared a Pareto chart that pointed the quality team to burr-related defects.

Vacation Trainee — Public sector heavy engineering plant, Tiruchirappalli

4-week training

- Observed welding, fabrication and heat treatment shops and documented process flow for boiler pressure parts.
- Presented a training report on welding inspection methods to the plant's training department.

EDUCATION

B.E. Mechanical Engineering — Private engineering college affiliated to a state technical university, Chennai

Final-year project on a quick-change drilling fixture

CERTIFICATIONS AND REGISTRATIONS

- Certified SolidWorks Associate (CSWA)
- GD&T fundamentals, short-term course
- Industrial safety awareness training

PROJECTS

- Quick-change drilling fixture — designed and built a fixture that cut part changeover time in the college workshop trials
- Go-kart chassis — member of the college team that designed and fabricated a steel tube frame for a student competition

LANGUAGES

English · Tamil · Malayalam