Sujit Prakash Patil

Development Engineer, Development Specialist

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- Indian
- Feb 14, 1993

💼 Professional Experience

Nov 2018 – present
Mladá Boleslav, Czechia

Development Engineer, Development Specialist
ŠKODA AUTO a.s.
Development Engineer in Air intake system - Plastic parts (Air filter box, raw air pipe, clean side pipe, charge air pipe)

Cooperation with powertrain and chassis department, Responsible for India project, Assistance in research (calculation, analyzing air intake system), Part analysis on Cad software (CATIA V5 and Creo), Communication with suppliers, Introducing new changes, Car Inspections for testing, Cooperation with testing department, Handling Test protocols, Releasing documentation in VW system, Maintain inventory, Competitor's car analysis, Budget planning in JIRA system.

Research Projects - Comparisons analysis of tests (Methodology, Simulation, Real tests), norms and standards, Prediction analysis based on AI, Data analysis on Power BI, Competitor's car analysis from different market, Safety Index, Developing new methodology for Simulation, Validation of new technology and instruments.

Jun 2014 – Jun 2015
Pune, India

Supervisor (Production department)
KUUALITY ENGINEERS
Process Planning, Complete process monitoring, In process job inspection, Final Inspection, Record daily production, Responsible for maintaining productivity.

🎓 Education

2016 – 2018
Prague, Czechia

Master's in Process Engineering
Czech Technical University
Overall B grade
Semester Projects in masters
- Design of equipment (Pressure Vessels, Heat exchangers, Mixing Vessel) with drawing in Catia V5
- Milk production line (PFD, P&ID in AutoCAD)
- Pneumatic circuit designs in FluidSim software
- Finding drag coefficient of car in ANSYS software
- Design of Hydrochloric acid absorber column in PRO II software.
Master Thesis - Comparison of Peripheral aggregate system components. The comparison performed between EU and Indian Environment.

| 2011 – 2014
Kolhapur, India | **Bachelor of Engineering in Mechanical**
Shivaji university |
| 2008 – 2011
Pune, India | **Diploma in Mechanical Engineering**
Marathwada Mitra Mandal's Polytechnic
Final percentage - 79.81% (First class with distinction) |

Skills

Design software Catia V5, Autocad, Solidworks, Creo, GD&T	● ● ● ● ○	**Matlab, Ansys, CNC coding, Plastic injection molding**	● ● ● ○ ○
R Software	● ● ○ ○ ○	**Power BI, JIRA system, FMEA**	● ● ● ● ○

Languages

English	● ● ● ● ○	Czech	● ● ○ ○ ○
Marathi, Hindi	● ● ● ● ●	German	● ● ● ○ ○

Certificates

- Catia V5
- ISO 26262 (udemy)
- FMEA (udemy)
- Lean six sigma yellow belt (udemy)
- Lithium-Ion batteries (udemy)