

# SHINDE ANAND ANIL

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🌐 [anand271980.github.io/portfolio/](https://anand271980.github.io/portfolio/)

## Professional Summary

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Mechanical Engineering Leader with **20+ years of expertise** in the design, development, and management of **powertrain, industrial automation handling systems, SPM, industrial Robotics debugger systems, and defense systems**. Expert in delivering **innovative, cost-effective, and safety-compliant solutions** for global clients. Proven track record in **leading cross-functional, multi-disciplinary teams**, mentoring engineers, and managing **complex projects from concept design to installation and commissioning**. Specialized in **robotic automation, deburring, washing, handling systems, and battery assembly automation**, as well as **industrial fixtures, conveyors, and high-pressure equipment**.

Skilled in **vendor development, filtration systems project costing, and procurement strategies**, ensuring timely delivery and optimized performance. Hands-on with **CAD and 3D modeling** (AutoCAD, Inventor, UG NX, Solid Edge, CATIA) and well-versed in **IS, ASME, API, TEMA, and Military standards**.

Recognized for **driving process improvements, implementing Industry 4.0 practices, and delivering high-impact engineering solutions** for clients including GM, Ford, Mercedes-Benz, Cummins, and Honda. Passionate about **mentoring engineers, fostering innovation, and translating client requirements into high-quality, reliable systems**.

## Core Competencies

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- **Robotic Automation & Industrial Systems:** Deburring, washing, handling systems with Robots & Cobots
- **Project & Program Management:** Concept design, proposals, budgeting, vendor management, and delivery
- **Mechanical Design & Engineering Leadership:** Fixtures, conveyors, industrial washers, BIW line systems; team management, design release
- **Standards & Compliance:** IS, ASME, API, TEMA, International & Military Standards
- **CAD Expertise:** AutoCAD, Autodesk Inventor, UG NX, Solid Edge, CATIA V5

## Professional Experience

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### Chropynska India Pvt. Ltd., Pune

Manager – Powertrain Engineering & Development

Apr 2023 – Present

- Lead **end-to-end powertrain projects**, including concept design, costing, vendor development, and final product release.
- Drive **Industry 4.0-aligned automation solutions**, ensuring efficiency, safety, and compliance with global standards.
- Mentor and manage a **cross-functional design team**, fostering innovation and timely project delivery.
- Oversee **project execution for international clients**, coordinating audits, installation, and global stakeholder requirements.
- Spearhead **proposal development, project estimation, and strategic vendor management** to optimize cost and quality.
- Interface with **key clients** such as TATA Cummins, PSA, and Daimler, ensuring technical excellence and client satisfaction.

### Valiant-TMS Systems Pvt. Ltd., Pune

Manager – Powertrain Engineering & Development

Nov 2012 – Mar 2023

- Engineered **robotic deburring stations, high-pressure washers, and automation solutions**.
- Developed **robotic battery cell welding and leak-testing machines**.

- Managed supplier development, project costing, concept design, design approval, and assembly support.
- Coordinated with North America & Canada teams for design validation and approvals.
- Clients: GM, Ford, Chrysler, Honda USA, Alison, Hirata, Nemak, UTC

## Zippel GmbH & Co. Pvt. Ltd., Pune

### Senior Design Engineer – R&D

Jun 2010 – Nov 2012

- Designed industrial washers, conveyors, turntables, and handling systems.
- Prepared GA, P&ID, pneumatic circuits, and coordinated with controls teams.
- Developed fixtures for engine components (cylinder head, block, crankshaft).

## Filtration Technik India, Pune

### Senior Project Engineer – R&D

Apr 2009 – Jun 2010

- Designed high-pressure piping for filters and dryers; conducted on-site trials.
- Prepared BOM, layouts, and specifications; supported vendor development and cost optimization.

## Kirloskar Pneumatic Co. Ltd., Pune

### Senior Design Engineer – R&D

Aug 2005 – Mar 2009

- Engineered **reciprocating and screw compressors** for industrial and defense applications.
- Developed special defense products: Service Air Trolleys, Mobile Nitrogen Stations, Oxygen Delivery Vehicles, High-pressure compressors (400–850 bar).
- Conducted design standardization to reduce inventory, assembly time, and costs.
- Clients: HAL, Indian Railways, Cement, Textiles, Automobile, Food, Construction industries.

## Major Projects

- Robotic deburring & washing systems, industrial washers, conveyors, gantries, BIW line conveyors
- Automation & inspection stations, robotic battery cell welding, and leak-testing machines
- High-pressure compressors, turboexpander cooling systems, defense compressors
- Advanced filter systems: self-cleaning, magnetic, disc/belt, paper band, up-flow

## Education

**B.E. Mechanical Engineering** 2005

B.V.C.O.E., Pune

**H.S.C.**

2002

R.B.N.B. College, Srirampur

**B.E. Project:** Automatic Chalk Making Machine – Geneva Disc & Cam, Motor & Gearbox Selection

**Seminar:** Flight Data Recorder

## Achievements & Extracurricular Activities

- Champion in Table Tennis and Swimming – demonstrating discipline and teamwork.
- Implemented cost-saving initiatives through innovative in-house development of industrial washers and air nozzles.
- Recognized for leading international projects and high-performing cross-functional teams.

## Technical Skills

- AutoCAD (2000–2018), Autodesk Inventor 2018, UG NX11.0, Solid Edge V20, CATIA V5R19
- Standards: IS, ASME, API, TEMA, Military & International Standards

## Personal Profile

- Languages: English, Hindi, Marathi