

Shivakshi Sheel Srivastava

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Automotive engineer with 3+ years across NPI execution, manufacturing operations, and R&D transformation. Track record of closing gaps in alignment, visibility, and ownership to deliver structured impact across factory floors, supplier networks, and leadership teams.

Education

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| National Institute of Technology Surat
<i>B.Tech. Mechanical Engineering</i> | Surat, India
May 2023 |
| • CGPA: 9.08/10 | |
| St. Kabir School
<i>Senior Secondary (CBSE)</i> | Ahmedabad, India
May 2018 |
| • Scored 90% | |

Skills

- **Implementation:** NPI, Manufacturing Ops, Supplier Readiness, Process Standardization, Change Management
- **Strategy:** R&D Strategy, Stakeholder Management, KPI Design, Decision-Support Reporting
- **Tools:** SAP, Excel (VBA), SolidWorks, MATLAB, Ansys Fluent, AutoCAD
- **Programming:** Python, C++, Embedded C

Certifications

- Design for Six Sigma (DFSS) Black Belt (2026)
- McKinsey Forward Program – Graduate (2025)
- IBM Qiskit Summer School: Quantum Excellence (2021)

Awards & Recognition

- Patent Granted: Fixed-wing UAV design, 2.4m wingspan (2021)
- Grand Finalist, Smart India Hackathon 2022, Govt. of India
- 9th Rank Nationally, SAE Aero Design Challenge East, 2022
- Best Hardware Hack, Hack the Mountains 2.0
- Runner-up, ISRO Lunathon – Autonomous Rover (ML-based)

Leadership

- **Captain, SAE Team Phoenix:** Led 60+ members across design, manufacturing, finance, and sponsorship; managed budget and vendor coordination; secured 9th rank nationally.
- **Executive, ACM:** Revamped workshops, mentored 100+ students, organized hackathons.
- **Event Lead, MG Motors × NIT Surat:** Hosted 110+ participant industry-academia workshop; judged 15+ teams at national competition.
- **Citizen Scientist, NASA:** Analyzed PanSTARRS data with Hardin-Simmons University.

Professional Experience

Yazaki India Pvt. Ltd. Pune, India
Assistant Manager – Technical Assistant to R&D India Head
Mar 2025 – Present

- Selected as the first hire by the returning R&D Head to help rebuild Yazaki India's R&D function; contributing to a 5-year plan to scale from 250+ to 520+ engineers.
- Drive transformation of engineering capabilities from build-to-print toward software-enabled solutions, modular product architecture, and emerging technology domains.
- Lead digital transformation and AI adoption initiatives; design KPI frameworks, automate reporting workflows, and improve decision-making velocity.
- Build executive reviews and decision-support materials for leadership discussions across five global engineering teams.
- Represent the organization externally with ACMA and ARAI; Selected as ACMA Next-Generation Mobility Innovator (2025) and trained at Japan.

JCB India Ltd. Jaipur, India
Assistant Manager – Manufacturing Engineering & Projects
Jul 2023 – Feb 2025

- Delivered three NPI launches (BS V, Stage V, New Model) across 32+ international markets; coordinated product builds, BOMs, layouts, supplier readiness, and tooling.
- Reduced CAPEX by 64% through phased investment planning, manufacturing optimization, and vendor negotiations; enabling launch without incremental facility spend.
- Digitized 170+ SOPs and built an Excel-VBA dashboard to centralize tracking, eliminate manual errors, and improve real-time process visibility.
- Built a quality validation algorithm across 70+ machine variants and 8,000+ components, strengthening CTQ compliance and reducing defect risk at scale.
- Upskilled 80+ engineers across manufacturing and quality functions through structured technical and programming training.

Selected Projects

- **Jaivel Aerospace – Design Intern:** Developed GD&T fixtures in SolidWorks MBD; standardized process documentation to improve manufacturing accuracy and efficiency.
- **IIT Kharagpur – Research Intern:** Simulated heat exchanger performance via Ansys and MATLAB; collaborated with Voltas on energy-efficient HVAC.
- **CFD Research – Spacecraft Re-entry:** Optimized re-entry vehicle aerodynamics for reusable rockets; accepted at World Conference on Mechanical Engineering 2023, Germany.