



Chandan Singh

E-Mail: chandanprod.nitt@gmail.com Phone: +919677422625 **LinkedIn:** [linkedin.com/in/chandansingh](https://www.linkedin.com/in/chandansingh)

Summary

Strategy, Operations, and Product Leader with 11+ years driving transformations across automotive and defense/aerospace sectors. Track record of managing \$120M+ capex programs as PMO, building KPI/OKR-driven decision systems, and leading cross-functional teams across digitization, product development, supply chain, and operations. Recognized by the Chief of Air Staff for 150+ innovation projects delivering measurable gains in readiness, cost savings, and efficiency.

Professional Experience

Squadron Leader | Indian Air Force | Strategic Commands

Senior Manager- Strategy & Operations | Indian Air Force | Ambala

Feb 2023 – Jan 2026

- Planned and led capex of advanced systems worth \$120M as PMO, developing decision-support dashboards to track KPIs across 12 departments, improving operational readiness by 33% and accelerating integration timelines by two months.
- Served on the Audit Board to assess strategy and operational preparedness across 6 key departments of a \$7B asset Air Force base, resolving resource and performance conflicts to improve real-time operational efficiency by 10%.
- Directed a Command level zero-incident logistics program delivering 500+ combat assets to the northern border, mitigating high-altitude logistical bottlenecks through a weather-assisted AI tool for scheduling, tracking and delivery.
- Drove 20% reduction in asset deployment timelines by defining capacity optimization strategy and KRAs/KPIs across vendor development, mobility, maintenance, and inventory functions, backed by in-house system innovations.
- Commanded multi-modal logistics of 350 personnel and 50 combat systems worth \$50M across 2,300 km, building SOP playbooks for co-ordination with Indian Railways and digitizing standard operating workflows.
- Improved an OEM product's performance by 25% through cross-functional failure analysis, simulation testing, and OEM process improvements across production, operations, and quality.

Senior Manager- Consulting, Innovation and Production | Indian Air Force | New Delhi

Nov 2020 - Feb 2023

- Led a 40,000-SKU aviation digitization program, creating ERP-based product catalogue for easy provisioning, cross-product matching, and supplier discovery, resolving supply-chain bottlenecks for 500+ aircrafts.
- Delivered technical consulting for an aviation safety innovation product, defining design specs and simulation techniques that cut performance trials and reduced aero-engine damage by 85%, saving \$15M annually.
- Established Air Force's first patent framework; led a cross-functional team of academia, engineers, and vendors through the full IP lifecycle from concept design to grant, modelling an end-to-end product innovation process.
- Built the financial business case for a \$5M capex in Engineering Division modernization, identifying IoT, predictive maintenance, and dynamic scheduling opportunities projected to save \$15M in lifecycle costs.
- Led ISO 9001/45001/14001 compliance audits across operations, resolving process discrepancies and minimizing industrial waste discharge to achieve a 15% process capability gain, 10% incident reduction, and 60% cut in paperwork.
- Boosted production throughput by 20% and expanded the indigenous SKUs to 12000 via CNC/3D machining upgrades; applied data-driven demand forecasting to improve inventory turns and reduce annual dead-stock losses by \$20K.

Field Operations Manager | Indian Air Force | Pathankot, Punjab

Jan 2016 - Oct 2020

- Raised an air defense unit's operational potential by 20% by resolving critical equipment downtime and an 80-assembly deficiency through alternative sourcing and vendor development strategy.
- Modified critical BCP protocols across 10 missions to sustain 100% weapon system readiness under severe resource constraints in J&K conflict zones (−15°C at 13,000ft).
- Resolved operational vulnerabilities in \$15B of assets in Ladakh by leading engineering modifications beyond standard manufacturer limits, enabling high-capacity deployment in extreme risk environments.
- Spearheaded end-to-end logistics planning for self-sustained remote deployments, coordinating 30+ assets and 80+ personnel to deliver 24×7 mission-critical readiness across three major national events.

Hyundai Motor India | Service HQ | New Delhi

Senior Executive | Technical Support

Jan 2016 - Oct 2020

- Led cross-functional root-cause investigations with vendors, QA, and field teams, translating after-sales insights into rapid countermeasures that reduced customer pain points by up to 90%.
- Spearheaded a critical SRS airbag system design intervention for a key Hyundai model, eliminating related safety vulnerabilities and customer complaints and achieving 100% issue resolution.
- Delivered data-driven MIS reporting for senior leadership by synthesizing field performance, customer satisfaction, and quality KPIs, enabling faster, evidence-based decisions on critical service issues.
- Designed and scaled a national technician certification program across 800+ service locations, upskilling field staff into Technical Coordinators and improving first-level resolution rates by 25%.

Education

Bachelor of Technology (Production Engineering)

NIT Tiruchirappalli, 2010 – 2014

Accomplishments and Awards

- Chief of Air Staff Commendation for exemplary professional achievements.
- Letter of Appreciation from Commanding Officer for Op Sindoor.
- “Exceptional” grading, Air Force Security Training.
- Air Force Technical College – Systems Topper; 2nd Best Project Award.
- School Topper (SSCE- XII Std) – 2009.

License & Certifications

- Lean Six Sigma – Black Belt & Green Belt Certified
- Lead Auditor – ISO 450001 (OHSMS) and ISO 14001 (EMS)
- Post Graduate Diploma in Aeronautical Engineering (Mechanical).
- Advanced Excel for Business, Macquarie University, Australia.

Co/Extra-curricular

- **Secretary (Non-profit):** Led 12 welfare ventures, employed 15 war widows, funded medical camps for 1000+, a school for special-needs children and career counselling for 500+ students.
- **Community Outreach:** Directed road-safety awareness campaigns in multiple Air Force bases in coordination with Hero MotoCorp and traffic authorities, reducing road accidents by 30%.
- **Sports Leadership:** Captained team to Inter-Squadron Sports Championship; set a college meet record in the 1500m.