



Chandan Singh

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Summary

Strategy and transformation leader with 11+ years across aerospace, defence, and automotive sectors, aligning multiple stakeholders to turn ambiguous, high-stakes challenges into structured, measurable outcomes. Led \$125M+ in capex programs as PMO across 12+ departments, drove ERP-enabled digital transformation, and delivered 150+ innovation projects generating \$30M+ in avoided damages and lifecycle savings — one of IAF's youngest recipients of the Chief of Air Staff Commendation.

Professional Experience

Squadron Leader | Indian Air Force | Strategic Commands

2016-2026

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

Feb 2023 – Jan 2026

- Planned and led capex of \$120M for advanced systems as PMO, building KPI dashboards across 12 departments that lifted operational readiness 33% and cut integration time by two months.
- Cut downtime 50% in mission-critical systems by consolidating a shared resource pool across tri-service stakeholders and aligning 3 OEM partners to resolve recurring failures across 30+ high-failure aggregates.
- Served on the Audit Board, assessing strategy and preparedness across 6 departments of a \$7B asset base, resolving resource and performance conflicts to lift real-time operational efficiency 10%.
- Drove a 20% reduction in asset deployment timelines by designing a capacity-optimization strategy and KRA/KPI framework spanning vendor development, mobility, maintenance and inventory.
- Directed a command-level, zero-incident logistics program deploying 500+ combat assets across 3,000+ km of high-altitude terrain, using a weather-assisted AI tool to de-risk scheduling and delivery.
- Commanded a \$50M multi-modal logistics operation, moving 150+ personnel and equipment 2,300 km in seven days, and digitized SOP playbooks with Indian Railways to eliminate recurring coordination failures.

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

Nov 2020 – Feb 2023

- Reduced spares procurement lead time 20% for 8 fighter fleets (500+ aircraft, 40,000 spares) via 3D-modelling and ERP digitization, diversifying the supplier base and building end-to-end supply-chain visibility.
- Managed multiple-stakeholders comprising of academia, engineers and fabricators to design aviation-safety installations, cutting runway-related engine damage 85% and saving \$15M annually — navigating around an existing foreign OEM patent through independent design and CFD analysis.
- Built the financial case and governance framework for the Air Force's first patent, guiding academia, engineering and vendor partners through the full IP lifecycle to grant.
- Orchestrated a \$5M capex strategy for equipment modernization, evaluating IoT-enabled upgrades and identifying AI integration opportunities to lift productivity across the engineering division.
- Introduced standardized production and quality controls across production division, cutting defects 25% and speeding up production 15%.
- Audited ISO 9001 compliance and served as Lead Auditor for ISO 45001, redesigning quality and safety controls to lift process capability 15% and cut safety incidents 10%.
- Led 150+ localization projects, cutting costs \$15M and lifting system availability 25% across 50 units nationwide.
- Digitized procurement with automated three-way matching and approval workflows, cutting purchase-order cycle time 40%.
- Built a \$350K 3D-printing facility inhouse to locally manufacture hard-to-source foreign OEM components, cutting import dependency and boosting equipment availability 30% across 4 sites.

Field Operations Manager | Indian Air Force | Pathankot, Punjab

Jan 2016 – Oct 2020

- Commanded a 120-person team across planning, maintenance and engineering, running 10+ combat mobility operations across 7,000 km of active conflict zones in Jammu & Kashmir — sustaining 24×7 combat readiness in -15°C conditions with zero safety incidents.
- Restored a grounded critical asset by resolving an 80-SKU deficiency through alternative sourcing and local fabrication, lifting operational capability 20%.
- Built crisis-response and business-continuity plans that sustained 100% fleet readiness through wartime activations and extreme winter operations.
- Modified equipment beyond manufacturer performance limits to enable a first-of-its-kind high-altitude deployment, securing \$15–20B in military assets.
- Directed self-sustained logistics for 30+ assets and 80+ personnel across month-long deployments, delivering uninterrupted security coverage for the national capital during major national events.
- Designed a real-time training simulator with digitized performance feedback, adopted to train 600+ personnel and cut readiness timelines 12%.

- Designed and scaled a national technician certification program across 800+ service locations, upskilling staff into senior technical roles and lifting first-level issue resolution 25%.
- Delivered data-driven MIS reporting for senior leadership, synthesizing field performance, customer-satisfaction and quality data to speed up critical decisions.
- Led cross-functional root-cause investigations with vendors, quality teams and field staff, cutting recurring customer complaints up to 90%.
- Owned a safety-critical design fix for the SRS airbag system end-to-end, eliminating the defect and fully resolving related customer complaints.

Education

Post Graduate Diploma in Aeronautical Engineering (Mechanical) – VTU | *Belagavi, Karnataka*

Bachelor of Technology (Production Engineering) - NIT Tiruchirappalli | *Trichy, Tamilnadu*

Accomplishments and Awards

- Chief of Air Staff Commendation for exemplary professional achievements.
- Letter of Appreciation from Commanding Officer for Op Sindoor.
- Graded “Exceptional” in Air Force Training.
- Air Force Technical College – Systems Topper; 2nd Best Project Award.

License & Certifications

- Lean Six Sigma – Black Belt.
- Lean Six Sigma – Green Belt.
- Lead Auditor – ISO 45001 (OHSMS); Internal Auditor – ISO 14001 (EMS).

Co/Extra-curricular

- **Secretary (Non-profit):** Led 12 welfare ventures, employed 15 war widows, funded medical camps for 1,000+, a school for special-needs children and career counselling for 500+ students.
- **Community Outreach:** Partnered with Delhi Traffic Police and Hero MotoCorp on road-safety campaigns as Station Road Safety Inspector, cutting reported road incidents 30%.
- **Sports Leadership:** Captained team to Inter-Squadron Sports Championship; set a college meet record in the 1500m.