

VANSHIKA KAPOOR

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Process-driven engineering graduate with hands-on experience in workflow execution, client operations, data validation, and business process automation. Skilled in utilizing Excel, SQL, Python, and enterprise tracking tools (Jira, Asana) to clean operational data, manage supplier/client deliverables, and maintain accurate records. Proven ability to coordinate across cross-functional teams, adhere to strict guidelines, and troubleshoot routine operational bottlenecks.

SKILL SUMMARY

Operations & Procurement Support	Procurement Support, Purchase Order (PO) Processing, Supplier Setup & Onboarding, Catalog Content Maintenance, SLA Tracking, Requirements Gathering
Data & Analytics	Excel, SQL, Data Validation, Data Cleaning, KPI Reporting, Statistical Analysis, Google Sheets, Python (Pandas, NumPy), PostgreSQL, MySQL
Enterprise & Workflow Tools	Jira, Asana, Slack, Process Mapping, Documentation, Issue Tracking, Agile Methodologies
Process Automation & Tech	Process Automation, Python Scripting, REST APIs, JSON, Postman, JavaScript, React.js, React Native, Node.js, Docker, Flask, Claude Code, AI-assisted development, LLM workflows
Cloud	Google Cloud Platform (GCP), production data pipelines, CI/CD, API Integration, Git/GitHub, Postman
Certifications & Training	Google Professional Cloud Architect, Google Foundations of Cybersecurity, Cisco Introduction to Cybersecurity, Postman API Student Expert

EDUCATION

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, Noida

B.Tech, Electronics & Communication Engineering

Sep 2022 – June 2026

VIVEKANAND SCHOOL (CBSE), Delhi

Class 12 (Computer Science): 94.6%

July 2022

Class 10 (Information Technology): 93.8%

July 2020

INTERNSHIP EXPERIENCE

Xparkline

Creative Assistant

Jun 2025 – Aug 2026

- Managed end-to-end operational deliverables for 25+ client accounts, taking ownership of requirements gathering, request intake, and strict delivery timelines.
- Configured and maintained CRM workflows, product catalog structures, user authorization access, and business automations according to client specifications.
- Served as the primary operational contact for US-based client stakeholders, facilitating cross-functional communication and documenting process workflows using Asana, Slack, and Jira..
- Performed routine data validation, platform issue tracking, and system troubleshooting, adhering to precedent guidelines to resolve service bottlenecks.

CODSOFT

Python Programming Intern

Nov 2023 – Dec 2023

- Developed Python scripts for transactional data handling, automated data cleaning, and routine process optimization to eliminate manual entry errors.
- Performed data reconciliation and output validation against defined guidelines, documenting implementation details to ensure process reliability.

NIELIT, Noida

VLSI Design Flow Intern

Jun 2025 – Aug 2025

- Worked through an RTL-to-GDSII design flow and implemented a Single-Port RAM using Verilog and open-source EDA tools.
- Followed structured engineering design flows, strict procedural guidelines, and functional verification protocols across complex technical projects.
- Maintained technical project information and followed structured engineering workflows across design, testing and verification.

PROJECTS

Smart India Hackathon 2024 All India	2024
• Analyzed operational, environmental, payload, and endurance constraints for high-altitude ITBP logistics workflows. • Conducted requirement analysis, technical research, and process mapping to deliver a structured logistics solution to evaluation panels.	
Transactional Data Routing & Management System Go/PostgreSQL/Rest API	2026
• Built a REST-based transactional data routing service in Go with PostgreSQL persistence, generating lightweight key identifiers and handling record retrieval, redirect, and lookup operations. • Added input validation, structured error handling and clean API flows, with room to extend the service with analytics, expiry and rate limiting.	
AI Virtual Eyeglass Try-On & Recommendation Python/PyTorch/StyleGAN2/Computer Vision	2026
• Built an AI-powered virtual try-on system using facial landmark detection, geometric alignment and GAN-based image synthesis to generate realistic eyeglass visualizations while preserving facial identity. • Implemented StyleGAN2 + Encoder4Editing for controllable frame manipulation and tested 28+ base templates across varying face shapes and image conditions; achieved quick processing times under <10s and ~70% accuracy.	
MemoryForge React + TypeScript/Gemini AI	2025
• Built an AI-powered flashcard application using React, TypeScript, Firebase, and Gemini API. • Implemented AI-assisted flashcard generation, spaced-repetition functionality, and secure user authentication. • Optimized application performance to achieve page load times below 200 ms and added integration testing to improve reliability and accessibility. • Built and deployed production data pipelines on Google Cloud Platform to process, transform and deliver operational data for downstream analysis and applications. • Worked across data ingestion, transformation, validation and deployment to the workflow on GCP.	
Cross-Platform Job Listing App React Native/Expo/REST API	2025
• Developed an Android/iOS job-listing application with REST API integration, real-time data retrieval, offline bookmarking and responsive navigation. • Built 5+ interactive screens using React Navigation and Context API and organized reusable components for consistent user flows.	

ACTIVITIES AND ACHIEVEMENTS

Game Dev Hub, JIIT

Game Artist & Volunteer Noida, Uttar Pradesh	Jul 2023 - May 2024
• Contributed to planning and execution of 4+ technical and gaming events, collaborating with multidisciplinary teams on event operations, coordination, and participant engagement. • Created digital assets and promotional content for club initiatives and supported communications around events. • Represented JIIT in 2 inter-university esports tournaments while balancing event, creative, and team responsibilities.	

1st EUC Esports University Conference, JIIT

Volunteer Noida, Uttar Pradesh	Jul 2024
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- Supported conference execution and on-ground coordination, working with the volunteer team to keep event activities running smoothly.
- Worked closely with other volunteers to manage event requirements and strengthen communication, coordination, and networking.

IEEE HackStreet 2.0 | IIIT

Feb 2024

- Built a fitness-focused responsive website using HTML, CSS, and JavaScript with interactive UI elements during the hackathon.

Blender 3D Artist Competition | IIIT

Feb 2023

- Won 2nd position and a cash prize in a college-level Blender 3D artist competition during first-year second semester; created and presented an original 3D artwork.