

Manoj Kumar

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CORE TECHNICAL SKILLS:

- Ai Tools: LM studio, Ollama, GPT, DeepSeek, phi, Gemini, n8n, Co-pilot.
- Operating Systems: Windows 10/11, macOS, Linux (Ubuntu, Debian).
- Networking: TCP/IP, DNS, DHCP, LAN/WAN, VPN, RDP, Network Troubleshooting.
- Software & Tools: Jira, Oracle Agile PLM, Baan ERP, Power BI, Microsoft Office 365.
- Hardware: PC/Laptop Diagnostics, Peripheral Setup, printers, Raspberry Pi, NAS, IoT devices.
- Automation & Scripting: Python, Bash/Shell, SQL (basic queries).
- Support Tools: Jira, Anydesk, TeamViewer, Notion, Putty, git, GitHub.
- IT Infrastructure: Active Directory, Group Policy, VirtualBox, Docker, GCP, Azure Fundamentals.
- Soft Skills: Communication, Root Cause Analysis, Problem-solving, Customer Service, Team Collaboration.

EXPERIENCE:

Flextronics Technologies (India) Pvt Ltd

Chennai, India

Technician-GBS Engineer

October 2020 – February 2022

- Managed large-scale product lifecycle and supply chain data, handling up to 1 million parts in Oracle Agile PLM
- Automated ECOs and RFAs, reducing processing time by 20%, improving workflow efficiency.
- Developed structured BOMs for NPI and sustaining products, achieving 99% accuracy in component tracking.
- Created customized dashboards and reports, increasing visibility into ECO metrics and improving speed by 20%.
- Trained and mentored team members, leading to a 15% improvement in overall process adherence and efficiency.
- Implemented data validation techniques for engineering datasets, ensuring 100% compliance with audit standards.

TECHNICAL PROJECTS:

METADATAAPP [OPEN SOURCE]

- Built a Windows desktop app using C# and WinUI 3 to extract and display detailed image metadata including EXIF, file system, and image properties.
- Implemented Magick.NET for high-performance image processing, thumbnail generation, and metadata extraction from multiple formats.
- Designed a modern, responsive user interface focused on accessibility and performance, and fluent design.

IPFS (INTERPLANETARY FILE SYSTEM): A New Frontier for Next-Gen IoT Communication

- Developed a distributed system using IPFS and Python to automate over 100 daily data transactions.
- Designed a modular architecture to scale across various IoT environments, enabling seamless device integration.
- Integrated decentralized networking protocols to eliminate single points of failure.

HOME LAB NETWORK ATTACHED STORAGE (NAS) SYSTEM

- Designed, built, and administered a 24/7 Linux-based NAS using a Raspberry Pi for secure file sharing, automated backups, and media streaming for a multi-user home environment.
- Configured networking services including DHCP and DNS for the local network and implemented security best practices to protect data.

EDUCATION:

Dr. M.G.R. Educational and Research Institute

Chennai, Tamil Nadu

• Bachelor of Technology in Information Technology • CPGA 8.83 • Member of BIS

June 2022 - May 2025

NTTF - Nettur Technical Training Foundation

Bangalore, Karnataka

• Diploma in Mechatronics • CPGA 8.19 • Staff at Bangalore Kidney Foundation

June 2017- July 2020

CERTIFICATES:

Azure Fundamentals

August-2025

Google Data Analytics Professional Certificate

February -2025

Harvard CS50's Understanding Technology

July -2023

Google IT Support Specialization

February -2022

CompTIA A+

In Progress