

DIPESH WOSTI

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EDUCATION

Master's in Artificial Intelligence
Bachelor of Science in Computer Science and Information Technology
YearUp United - Career Track Information Technology

San Jose State University (ongoing)
Tribhuvan University, 2020
San Jose, 2025

EXPERIENCE

Test Specialists | Contract | Hyve Solutions

Fremont, CA | Aug 2025– Present

- Performed **Server-Level Testing (SLT)** and **Rack-Level Testing (RLT)** to validate high-density server systems, ensuring production readiness and compliance with quality standards.
- Diagnosed and troubleshoot hardware failures across server platforms by analyzing **BMC/IPMI logs**, system event logs, and diagnostic outputs to isolate faults and identify root causes.
- Conducted rack-level diagnostics involving compute nodes, networking components, NICs, storage devices, power distribution, cabling, and supporting infrastructure to resolve deployment and manufacturing issues.
- Partnered with hardware, firmware, manufacturing, and quality engineers to investigate failures, perform root cause analysis (RCA), validate fixes, and improve product reliability.
- Executed hardware validation, system bring-up, and functional testing using **Linux CLI**, manufacturing test tools, and standard operating procedures to verify server performance and stability.
- Maintained comprehensive test reports, inspection records, and quality documentation in accordance with manufacturing, ISO, and organizational standards.

DevOps Engineer | Apprenticeship | Apple Inc.

Sunnyvale, CA | Feb 2025 – Aug 2025

- Built and managed scalable data processing pipelines on AWS using Python and cloud-native services for data ingestion and transformation.
- Designed and automated ETL workflows using CI/CD pipelines (Jenkins), improving deployment efficiency and consistency.
- Developed and optimized SQL queries for extracting, transforming, and analyzing structured data across relational databases.
- Deployed and managed distributed systems on Kubernetes (EKS), supporting scalable data workloads and high-availability services.
- Implemented Infrastructure as Code (Terraform) to provision reproducible data infrastructure environments.
- Built monitoring and observability systems using Grafana, Splunk, and Dynatrace to track data pipeline performance and detect anomalies.
- Collaborated with cross-functional teams to support data-driven decision-making and system reliability improvements.

PROJECTS

•AI-Powered Data Query System (MCP + LLM Integration)

Developed a system enabling natural language interaction with databases using LLMs and MCP tools.

•Kubernetes-Based Data Pipeline Deployment

Designed and deployed containerized applications handling data workflows on Kubernetes (AWS EKS)

•Face Recognition Attendance System

Python and OpenCV Machine Learning Models using PostgreSQL.

•AI Email Assistant (n8n + OpenAI)

n8n workflow that reads incoming emails, generates AI-powered responses using an LLM, and drafts replies automatically.

TECHNICAL SKILLS

Operating System: Linux(CLI), Windows, Mac, Ubuntu

Hardware: Server Hardware, PCB, Electronic Components, PDU, Switches, SSD/HDD, Firmware Validation, BIOS Configuration

Languages: Python, HTML/CSS, Shell Scripting

Networking: TCP/IP, DHCP, DNS, VLAN, Routing, Switching, Ethernet, SSH

Cloud & Tools: AWS, Google Cloud, Docker, Git, Jira

CERTIFICATIONS

•Data Analyst with Python: freecodecamp

•AWS Cloud Practitioner

•Claude 101: Anthropic

•Data Analyst with Python: DataCamp

•Google IT Support: Coursera

•AI Fluency: Anthropic