VIPIN SAIN

Junior Technical Superintendent

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SUMMARY

Currently serving as **Junior Technical Superintendent** in the Department of Computer Science and Engineering at **LNMIIT**, Jaipur, where I oversee laboratory operations, administer systems, troubleshoot hardware and software issues, and provide technical support to faculty to maintain a reliable laboratory learning environment. Additionally, I assist students in understanding programming fundamentals, support them in completing lab assignments and help in resolving technical challenges encountered during laboratory sessions. Beyond laboratory management, I actively contribute to academic and administrative responsibilities by supporting the admission process, coordinating institute events, and organizing technical activities. This role has strengthened my expertise in system administration, technical troubleshooting, event coordination, and collaborative problem-solving.

EXPERIENCE

Junior Technical Superintendent

The LNMIIT Deemed To Be University

Mar 2025 – Ongoing Jaipur

- Assisted faculty in conducting lab courses like Python, Bash scripting and C programming by providing technical support, managing student records and lab data, and ensuring the smooth execution of lab sessions.
- Assisted students in resolving technical issues while completing lab assignments and helped them understand fundamental programming concepts.
- Collaborated with faculty to guide Teaching Assistants, ensuring effective laboratory management, consistent student support, and the smooth execution of practical sessions.
- Monitored lab resources, software installations, and equipment readiness to ensure uninterrupted execution of practical sessions and examinations.
- Administered and maintained Ubuntu-based lab environments, coordinated with the IT team to resolve hardware and software issues, and ensured the reliability of lab infrastructure for academic sessions and examinations.
- Supported senior technical staff in deploying and configuring a centralized lab management system, enabling remote system administration, screen monitoring, and remote assistance across multiple lab computers.
- Contributed to academic and administrative responsibilities by supporting the admission process, coordinating institute events, assisting with conference activities such as industry demo sessions, and facilitating the smooth execution of departmental operations.

EDUCATION

B.Tech in Computer Engineering with Specialization In Artificial Intelligence

Poornima University

2019 – 2023 Jaipur

12th – RBSE

Vidya Bharati Public School

2018 Sikar

10th – RBSE

Vidya Sagar School

2016 Jaipur

SKILLS

Python | C | Vibe Coding | HTML | CSS

FastAPI | REST | GCP | AWS | MongoDB | Firebase | GIT | DNS Management

CERTIFICATIONS

Qualcomm Academy Certified:
« AI Upskilling Certificate »:

1.Technical Foundations (Completed)
2.Hands-On Development from Model to App (Undergoing)

Microsoft Certified: AI-900

Python 101 for Data Science

Introduction to Machine Learning

Backend Developer

Solvyfi Pvt. Ltd.

Feb 2023 – Feb 2025 Jaipur

- Engineered and deployed high-performance FastAPI-based backend systems for the company's flagship product, leveraging AWS/GCP services including Application Load Balancer (ALB), API Gateway, and S3 to ensure scalability, availability, and production-grade reliability.
- Optimized API performance by refining database queries, improving backend logic, and streamlining processes, reducing response time from 2 seconds to 600 milliseconds and significantly enhancing system efficiency.
- Designed and implemented secure, scalable microservices architecture with OAuth2-based authentication, token-based authorization, encryption protocols, and rate limiting to ensure data protection and resilience under heavy traffic.
- Delivered backend features in an Agile environment, actively contributing to sprint planning and collaborating with frontend and DevOps teams for timely and efficient project delivery.
- Strengthened API security and reliability through comprehensive testing using Postman and FastAPI's OpenAPI (Swagger UI), ensuring seamless service integration and robust endpoint validation.

Backend Developer Intern

Solvyfi Pvt. Ltd.

May 2022 – Aug 2022 Jaipur

- Development and Integration
- Collaboration and Documentation
- Environment Setup and Testing

PROJECTS

FastAPI-Beanie-Auth-Booking-System

FastAPI Beanie Starlette Pydantic MongoDB REST JWT GIT

Ocean-of-AI

Comment Analyzer using Perspective API

FastAPI Beanie Pydantic MongoDB REST GIT

Personal-Finance-Tracker

Node.js Express.js REST MongoDB JWT React GIT