PAVAN KUMAR V

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PROFESSIONAL SUMMARY

- **8 months of hands-on experience** in Application Support, Testing, and Deployment for manufacturing and industrial automation environments.
- Skilled in **application deployment** on production servers and ensuring seamless operation in live plant environments.
- Experience working with **PLC-controlled CNC machines** in an EV battery manufacturing line.
- Proficient in **database verification** and **data validation** using DBeaver, ensuring accuracy and preventing data loss.
- Strong in **log monitoring** and troubleshooting server-side issues to maintain application stability.
- Adept at **manual testing** to identify, document, and resolve application bugs before deployment.
- Proven ability to **coordinate with cross-functional teams** and communicate with clients for timely issue resolution.
- Prepared and delivered **operational data reports** to clients, supporting decision-making processes.

TECHNICAL SKILLS

- Languages & Scripting: Python, SQL, Shell scripting (basic)
- Databases & Tools: DBeaver, MySQL, MS Excel, VS code
- Application Operations: Server monitoring, application deployment, log analysis
- Testing: Manual testing, bug identification, issue documentation
- Hardware & IoT: Raspberry Pi, Arduino, PLC basics
- Operating Systems: Windows, Linux (CLI), Ubuntu
- Collaboration Tools: Remote Desktop, AnyDesk, MS Word, PowerPoint

PROFESSIONAL EXPERIENCE

Application Support & Testing Engineer
SenseOps Tech Solutions – Bangalore, India (Dec 2024 – July 2025)
Client: Hero MotoCorp Vida Electric Vehicle Battery Project

- Acted as the main point of contact for client technical queries and application issues.
- Managed deployment and maintenance of manufacturing applications on production servers.
- Monitored server performance and reviewed logs to identify and resolve issues.
- Maintained servers connected to PLC-controlled CNC machines in an EV battery manufacturing line.

- Verified and validated production data using DBeaver, ensuring accuracy and preventing discrepancies.
- Conducted manual testing prior to deployment to detect and resolve potential errors.
- Generated and delivered operational reports to the client for decision-making.

R&D Software Intern
Sense-Ops Tech Solutions – Bangalore, India (May 2023 – July 2023)

- Developed Python-based applications to control motors and sensors on Raspberry Pi.
- Collaborated in designing a 3D scanner prototype and integrating hardware components.
- Conducted testing of both hardware and software systems, documenting bugs and resolutions.
- Supported real-time debugging and troubleshooting during prototype development.

PROJECT EXPERIENCE

- EV Battery Manufacturing Application Deployment – Vida Electric Vehicles
  Deployed a manufacturing application on a server connected to a PLC system controlling CNC machines; validated production data and ensured smooth integration with plant operations.
- Industrial-Grade 3D Scanner for Silos
  Designed and programmed a Raspberry Pi-based 3D scanner with LiDAR sensor integration to monitor silo storage levels; data transmitted to a database and visualized via a web application.
- Real-Time Hand Gesture Car Control
  Built a Python and OpenCV-based system to control an RC car via hand gestures, integrating Arduino and motor driver modules.
- IoT-Based Gas Leakage Detection
  Developed a gas leakage detection and alert system using NodeMCU, gas sensor, and IoT-based notifications via mobile apps and email APIs.

EDUCATION

- Bachelor of Engineering (Mechatronics)
  The Oxford College of Engineering, Bangalore – Aug 2023 | GPA: 6.50
- Pre-University (Science)
  Sahyadri PU College, Kolar – Mar 2018 | 60%
- Secondary School (SSLC)
  Infant Jesus High School, Bangarpet – Mar 2016 | 62%