SASIKUMAR R

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Professional Summary

Detail-oriented **System Engineer and Engineering Graduate** with **1+ year of Graduate Apprentice experience at BHEL**, possessing strong expertise in **IT infrastructure support, enterprise networking (LAN/WAN, routing, switching, VPNs, firewalls), SAP MM, AutoCAD documentation, and AWS cloud fundamentals**. Proven ability to **troubleshoot systems, optimize performance, and support real-time industrial projects** with strong analytical and problem-solving skills.

Technologies

- **Cloud & Systems:** AWS (EC2, S3, IAM – fundamentals), Linux System Administration, Shell Basics, System Monitoring
- **Networking:** LAN/WAN, TCP/IP, DNS, DHCP, IP Addressing, Subnetting, Routing & Switching, Firewalls, VPNs
- **Enterprise Applications & Tools:** SAP MM (Material Master, Procurement, Inventory Management), AutoCAD (2D Drafting, Network & Cable Layouts)
- **Programming & Scripting:** C, C++, Basic Shell Scripting
- **Operating Systems:** Linux (Ubuntu, RHEL – basics), Windows (Installation, Configuration, Troubleshooting)

Education

B.E	**Electronics and Communication Engineering,** **Mohamed Sathak Engineering College |GPA: 7.91/10**	Apr 2017 – May 2021
HSC	**Higher Secondary Education,** **Government Higher Secondary School Kadukkaivalasai |GPA: 6.8/10**	Apr 2016 – May 2017

Experience

Bharat Heavy Electricals Limited (BHEL) — Graduate Apprentice (System Engineer) — Tiruchirappalli, India — Feb 2024 – Feb 2025

- Updated and maintained boiler, power cable, and network layout drawings using **AutoCAD**, ensuring accurate documentation and consistency across project.
- Performed instrument tagging, cable verification, and alignment checks using **P&ID and layout drawings** to support safe and reliable plant operations.
- Managed material master records, inventory updates, and purchase order tracking using **SAP ERP (MM)** to maintain accurate project and inventory data.
- Supported system and infrastructure operations using **Windows, Linux**, and basic **LAN tools**, assisting in hardware troubleshooting and connectivity checks.
- **Tools Used:** AutoCAD, SAP ERP (MM), Windows, Linux.

Satvat Infosol Private Limited — System Engineer Trainee — Chennai, India — Sep 2021 – Apr 2022

- Configured and maintained **LAN/WAN networks** using **Cisco routers, Cisco switches, and Packet Tracer** for stable enterprise connectivity.
- Installed, configured, and managed **routers, switches, and firewalls** using **Cisco IOS** to ensure secure and reliable network communication.
- Monitored network performance and troubleshot connectivity issues using **Wireshark, ping, traceroute, and network monitoring tools** to minimize downtime.
- Implemented **IP addressing, subnetting, and network protocols** using **TCP/IP, DNS, DHCP** to maintain seamless network operations.
- **Tools:** Cisco Routers, Cisco Switches, Packet Tracer, Wireshark, TCP/IP, DHCP, DNS.

Coursework

Besant Technologies - Cloud Computing Training

Chennai, India
Apr 2025 – Jul 2025

- Completed training in Cloud Computing, gaining hands-on knowledge of cloud infrastructure, services, and deployment models.

Projects

Ukai Thermal Power Station (500 MW / 800 MW)
- **Engineering Drafting:** Created and updated **AutoCAD 2D drawings** for boilers, power cables, instrumentation, and network layouts, ensuring design compliance and operational accuracy.
- **Instrument Verification:** Conducted field inspections, alignment checks, and calibration support for sensors and control instruments using **P&ID diagrams** to ensure safe and efficient plant operations.
- **Tagging & Material Tracking:** Assigned and maintained instrument tag numbers, updated **SAP MM** records, and tracked materials to optimize maintenance workflow and inventory management.
- **System Troubleshooting:** Provided technical support for system drawings, network connectivity, and instrument integration issues using **AutoCAD, SAP MM, and LAN verification tools**.
- **Plant Documentation Cable Verification:** Verified existing plant drawings, traced power and network cable layouts, and corrected discrepancies to ensure accurate documentation and operational reliability.

Wanakbori Thermal Power Station - Unit 3 and 5 (500 MW / 800 MW)
- **SAP Material Management:** Managed material master data, procurement records, and inventory updates using **SAP MM** to streamline plant operations and maintain accurate workflow tracking.
- **Workflow Optimization:** Monitored and updated SAP purchase orders, goods receipts, and stock movements to ensure timely availability of materials and efficient project execution.
- **Engineering Drafting Support:** Prepared and revised **AutoCAD 2D drawings** for boiler systems, cable layouts, and instrumentation documentation, ensuring compliance with operational standards.
- **Instrument Verification:** Conducted alignment checks, placement validation, and tag assignment for instruments using **P&ID diagrams and AutoCAD layouts** to maintain accurate documentation.
- **Technical Assistance:** Provided troubleshooting support for system drawings, material tracking, and plant documentation, ensuring smooth integration of SAP data with operational workflows.

Akruti,Garuda,Amithys
- **System Engineer Support** – Provided technical support by monitoring IT systems, assisting end-users, and resolving software or system issues to ensure smooth operations across all projects.
- **Network Troubleshooting** – Identified and resolved network connectivity problems, monitored network performance, and applied solutions to maintain stable and secure communication channels.
- **Hardware Troubleshooting** – Diagnosed, repaired, and maintained servers, desktops, and peripheral devices to minimize downtime and ensure optimal functionality of IT infrastructure.
- **Network Infrastructure Creation** – Assisted in designing, configuring, and maintaining network infrastructure, including routers, switches, cabling, and access points for efficient and secure connectivity.
- **System and Network Monitoring** – Implemented monitoring tools and procedures to track system and network health, quickly identifying issues and preventing operational disruptions.
- **Technical Assistance and Maintenance** – Provided ongoing technical support, preventive maintenance, and troubleshooting services, ensuring continuous IT operations and workflow efficiency for all three projects.

Achievement

BHEL Learning Week Competition - 2024 - "Secured First Place in a BLW activity-based competition on the theme 'Align-Act-Achieve', demonstrating teamwork, planning, and execution skills."