

# SANDEEP K

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## PROFESSIONAL SUMMARY

Aspiring **Junior DevOps Engineer** and MCA Graduate (2024) with practical experience in **Linux, Docker, and AWS**. Successfully completed hands-on projects in system monitoring and CI/CD automation. Passionate about infrastructure operations and security best practices. Eager to join to support cloud deployment, automation, and monitoring initiatives.

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## TECHNICAL SKILLS

- **DevOps Tools:** Docker, Netdata (System Monitoring), Git & GitHub, CI/CD Pipelines.
  - **Cloud & Infrastructure:** AWS (EC2, S3, IAM), Kubernetes (Basics).
  - **Operating Systems:** Linux (Ubuntu/CentOS) – *Proficient in Shell Scripting & File Management.*
  - **Scripting & Languages:** Python, Bash/Shell Scripting, SQL.
  - **Security:** Basic Network Security, SSH, User Management.
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## DEVOPS PROJECTS

### 1. Automated System Monitoring & Visualization (Netdata & Docker)

- **Objective:** Implemented a lightweight, real-time monitoring solution for system performance.
- **Tools:** Docker, Netdata, Linux.
- **Key Actions:**
  - Deployed Netdata using **Docker containers** to ensure environment isolation.
  - Configured dashboards to monitor real-time KPIs including **CPU usage, Memory utilization, Disk I/O, and Network traffic.**
  - Analyzed system logs and container statistics to identify potential bottlenecks.

### 2. MEAN Stack Application Deployment with CI/CD

- **Objective:** Automated the deployment of a full-stack web application to the cloud.
- **Tools:** AWS (EC2), Docker, CI/CD Tools, Node.js, MongoDB.
- **Key Actions:**
  - Containerized a MEAN stack application using **Docker**, creating custom Dockerfiles for backend and frontend services.
  - Built a **CI/CD pipeline** to automate testing and deployment processes, reducing manual deployment time.
  - Provisioned **AWS EC2 instances** and deployed the containerized application, ensuring accessibility and stability.

### 3. Charity Donation Platform using Blockchain (Academic Project)

- **Tech Stack:** Python, MySQL, Blockchain concepts.
  - **Description:** Developed a secure platform for tracking charity donations, ensuring transparency and immutability of transaction records.
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## WORK EXPERIENCE

### Customer Service Associate (Part-Time) | Reliance Retail, Thrissur *September 2023 – Present*

- Managed client relationships and resolved issues, developing strong communication skills essential for collaborative technical teams.
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## EDUCATION

- Master of Computer Applications (MCA) – Nehru College of Engineering and Research Centre(2022-2024)
  - Bachelor of science in Electronics University of calicut,Kerala(2019-2022)
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## CERTIFICATIONS

- **Cloud Computing** – NPTEL
  - **Career Essentials in System Administration** – Microsoft & LinkedIn
  - **Career Essentials in Cybersecurity** – Microsoft & LinkedIn
  - **Introduction to Internet of Things** – NPTEL
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