SHANMUKHA D

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SUMMARY

DevOps and Cloud enthusiast skilled in Docker, Jenkins, AWS, Linux, and CI/CD automation. Experienced in building containerized applications, creating multi-stage pipelines, and deploying services using modern DevOps practices. Strong understanding of OS, CN, DBMS, OOPs and DSA fundamentals.

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science & Engineering   **2023–2027**
University of Visvesvaraya College of Engineering (UVCE), Bengaluru   CGPA: 8.99/10.00

Class XII   **2023**
Masters PU College, Hassan   Percentage: 95%

Class X   **2021**
Gyarahalli Thammayya World Academy, Hassan   Percentage: 94.56%

TECHNICAL SKILLS

- **DevOps & Cloud:** Docker, Jenkins, Nginx, Git, GitHub, CI/CD, AWS (EC2, IAM, S3)

- **Programming & OS:** Java, Shell Scripting, Linux

- **CS Fundamentals:** OS, CN, DBMS, OOP, DSA

PROJECTS

ThinkFoody – Dockerized Full-Stack Web Application
Technologies: Docker, Nginx, HTML/CSS/JS, MySQL, Gemini API

- Developed a full-stack food recommendation application with Gemini API integration.

- Containerized frontend, backend, and database using Docker and Docker Compose.

- Configured Nginx as a reverse proxy to shield backend servers and improve security.

- Reduced manual effort by 80% through complete containerization.

Automated CI/CD Pipeline with Jenkins & AWS
Technologies: Jenkins, GitHub, AWS, Docker

- Built a multi-stage CI/CD pipeline (Clone → Build → Push → Deploy).

- Configured a Jenkins agent on AWS EC2 for executing pipeline jobs.

- Automated Docker image creation and pushed images to Docker Hub.

- Enabled zero-manual deployment with consistent and repeatable releases.

CERTIFICATIONS

- Bit-N-Build Hackathon Participant – GDSC UVCE

- Poster Presentation – IEEE UVCE

- Summer Internship - Campus Champ

EXTRA-CURRICULAR ACTIVITIES

- Conducted a hands-on Docker workshop for students.

- Served as Student Coordinator at MARVEL R&D Lab, UVCE.

- Organized sports events in the hostel.