

# SUMIT KUMAR JHA

Choodasandra, Junnasandra, Bengaluru, Karnataka

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## PROFILE

A problem-solver who enjoys optimizing systems and streamlining workflows. Passionate about learning, adapting, and building efficient, scalable solutions. Always eager to improve and innovate, while collaborating to create impactful results.

## EDUCATION

**Amrita Vishwa Vidyapeetham, Bengaluru**

*Bachelor of Technology in Computer Science*

**2022 – Present**

**CGPA: 9.1/10 (Ongoing)**

**Yagyavalkya Model Secondary School**

**2020 – 2022**

*Intermediate with PCM*

**CGPA: 9.1**

**Yagyavalkya Model Secondary School**

**2018 – 2020**

*High School*

**CGPA: 9.7**

## PROJECTS

**Automated Deployment Pipeline for FoodTech Application**

**Sep 2024**

*AWS, Terraform, Jenkins, SonarQube, Trivy, Docker, Docker Hub*

**GitHub:** FoodTechApplication

- Deployed a pre-built Swiggy Clone Application on AWS, focusing on infrastructure automation and CI/CD implementation.
- Configured Jenkins for CI/CD automation, streamlining code integration and deployment.
- Integrated SonarQube for static code analysis and Trivy for container vulnerability scanning, enhancing security and code quality.

**End-to-End CI/CD Pipeline for To-Do List WebApp on AWS**

**Feb 2023**

*AWS, Docker, Jenkins, Security Groups, EC2*

**GitHub:** To-Do App

- Developed and containerized a To-Do List WebApp using Docker.
- Deployed the containerized application on an AWS EC2 instance, ensuring scalability and reliability.
- Configured Jenkins pipelines for automated build, testing, and deployment, streamlining the DevOps workflow

**J.A.M.E.S: Judicial Administrative Management and Execution System**

**Dec 2023 – Present**

*MySQL, HTML, CSS, JavaScript, Bootstrap, PHP*

**GitHub:** J.A.M.E.S-DBMS-Project

- End-to-end platform to digitize court case workflows including case filing, lawyer request management, public search, and admin-side control.
- Designed for SDG 16 impact, promoting transparency and access to justice through features like public status updates and citizen feedback.

## PUBLICATIONS

- Published paper titled "JAMES: Enhancing Judicial Efficiency with Smart Administration" in Springer, 2024
- Presented "E-Sangrahan: A Sustainable Framework for E-Waste Management" at ICTCS 2024, Jaipur, India.

## HACKATHONS

**Open Day Hackathon 1st Place**

*Developed "E-Sangrahan: An E-Waste Management Platform" that allows users to sell electronic waste and earn rewards, supporting SDG goals.*

**Flipkart Grid Hackathon**

*Participated in the Flipkart Grid Hackathon.*

**Smart India Hackathon (SIH)**

*Developed "Raksha Setu: A Disaster Recovery System" for the SIH.*

## TECHNICAL SKILLS

- **Programming:** Java, Python, JavaScript, HTML, CSS
- **Databases:** MySQL
- **Frameworks:** Flask, Python Libraries
- **DevOps:** Docker, Kubernetes, Terraform, AWS, Jenkins
- **Tools:** Git, GitHub, VS Code
- **Soft Skills:** Collaboration, Agile, Team Management

## CERTIFICATIONS

- Amazon AWS: Introduction to Cloud Computing
- Amazon AWS: Aws Cloud Foundation
- Infosys: Database Management System
- Udemy: Linux Command Line and Shell Scripting

## LEADERSHIP & ACHIEVEMENTS

- Won the Open Day Hackathon.
- Mentorship in Hackathon.