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	2022 – Present
Bachelor of Technology in Computer Science	CGPA: 9.07/10 (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
- **Frameworks:** Flask, Python Libraries
- **Tools:** Git, GitHub, VS Code
- **Databases:** MySQL
- **DevOps:** Docker, Kubernetes, Terraform, AWS, Jenkins
- **Soft Skills:** Collaboration, Agile, Team Management

CERTIFICATIONS

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

LEADERSHIP & ACHIEVEMENTS

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