

Snigdha Bali

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in LinkedIn | GitHub

Professional Summary

A Computer Science student with strong programming fundamentals, experienced in data structures, database management systems, and object-oriented programming with exposure to Agile principles through coursework and team-based projects. Eager to contribute to scalable, automation-focused software solutions in the packaging and print technology domain while growing in areas such as C++, DevOps, and cloud computing.

Education

KLE Technological University's Dr. M. S. Sheshgiri Campus, Belagavi

2022 – 2026

Bachelor of Engineering in Computer Science

- CGPA: 8.67/10.00

Projects

MediLeaf

- Developed a deep learning-based application using EfficientNet B2 to classify 77 medicinal leaves, using data augmentation and early stopping to improve accuracy and prevent overfitting.
- Classification of medicinal leaves, disease-based recommendations, preparation methods, PDF downloads of remedies, and Chatgenie support for improved user experience and accessibility.
- Tech Stack: Python, TensorFlow, React.js, Flask, html2canvas library

Optimized Route Finder

- Designed and implemented a shortest path algorithm from farms to sugar factories using Dijkstra's algorithm with custom graph representations in C.
- Tech Stack: C, Data Structures, Algorithms (Dijkstra's Algorithm)

CI/CD Pipeline for Dockerized Spring Boot App using Jenkins on AWS EC2

- Built and automated a comprehensive CI/CD pipeline on AWS EC2 for containerization (using Docker) and deployment of a Java Spring Boot application. The pipeline is triggered by code changes on GitHub, enabling efficient and reliable continuous delivery.
- Tech Stack: AWS EC2, Docker, Jenkins, GitHub, Maven, Spring Boot, Java

Skills

Languages: C++, C, SQL, Python

CS Fundamentals: Data Structures and Algorithms, OOPS, Computer Networks, DBMS, Operating Systems, DevOps, Cybersecurity, Machine Learning, Web Technology

Tools and Platforms: GitHub, VS Code, Google Colab, AWS, Git, Jenkins, CI/CD pipeline

Soft Skills: Problem Solving, Leadership, Communication

Certifications

- **Algorithmic Toolbox** - University of California San Diego (**Coursera**) - Issued Sep 2024 [View credential](#)
- **Foundations of Cybersecurity** - Authorized by Google (**Coursera**) — Apr 2025 [View credential](#)
- **Introduction to Machine Learning**- IIT Kharagpur (**NPTEL**) —Jul-Sep 2024, Score: 81/100, [Certificate ID: NPTEL24CS81S431900262](#)

Languages

English, Kannada, Hindi, German(Beginner Level)