SABBELLA LAHARIKA

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Summary — Skilled in ML, Software Development - Proficient in Java, C++, Python - Linux Power User - Project & Internship Experience - Passionate about Scalable Systems & Real-World Problem Solving

Education

Aditya Engineering College -Surampalem,Kakinada   **2022-2026**
B.Tech in Computer Science Engineering   *CGPA: 8.65*

Skills

Programming Languages : Java, C++, Python, C,R

Web Development : HTML, CSS, Javascript, Bootstrap, MEAN[MongoDB Express Angular Node] Stack, Spring Boot, Spring, Django, Flask

Database Management : MySql, SQLplus, MongoDB

Tools : Git, Visual Studio Code (VS Code), IntelliJ IDEA, PyCharm, Eclipse, Sublime Text, VMware, GitLab CI/CD, GitHub Actions, AWS Console/CLI, Google Cloud Console/gcloud CLI, MongoDB Compass/atlas, npm(Node.js), pip(Python) etc..

Frameworks : TensorFlow/PyTorch, Scikit-learn, Keras, React Native, Flutter, Flask, Django, Node, Express.js, Angular, Swing (model–view–controller), Spring / Spring Boot

Course Work : Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating Systems, AIML, Cryptography and Network Security

Projects

Individual & Collaborative Projects

AI-Driven Portfolio Creator   **(AI-Bolt, React, Frontend Development)**   **MAY-2025**

- – Engineered an AI-driven platform for generating diverse digital portfolios, utilizing artificial intelligence for content curation.
- – Leveraged React to build a dynamic and responsive frontend user experience.

ML Web Disease Cancer Prediction with Precision   **(ML-SVM(scikit-learn),Predictive Analytics)**   **APRIL 2025**

- – Developed a high-precision ML web application for disease and cancer prediction, encompassing data processing and model deployment.
- – Integrated robust machine learning models into a web interface for accessible diagnostic support.

Hospital Pre-Booking Web Application   **(Full-stack web development,React,Team Leadership)**   **JAN-2025**

- – Engineered a web application for hospital pre-bookings, streamlining appointments and administrative tasks.
- – Led a team to create a user-friendly and robust healthcare management solution.

Zoom-like App Emotion Detection of Students   **(Computer Vision, ML-ROBOFLOW, Real-time Analysis)**   **NOV-2024**

- – Created a video conferencing application with real-time student emotion detection using advanced computer vision and machine learning.
- – Provided insights into engagement and well-being during virtual sessions.

Data Structures Visualizer & Quiz System   **(Java, MySQL, Algorithm Visualization)**   **JUNE-JULY 2024**

- – Developed an interactive Java/MySQL application for visualizing sorting and search algorithms with animated effects.
- – Included a quiz engine to enhance learning and reinforce algorithmic understanding.

CurioCart - E-Commerce Application   **(Java, Swing/AWT, MySQL)**   **MARCH-APRIL 2023**

- – Built a real-time e-commerce simulation showcasing comprehensive product management and robust data operations.
- – Demonstrated full-stack development for an interactive shopping experience.

Academic and Extracurricular Achievements

Overview of Accomplishments   **JUL 2018 – June 2025**

Competitive & Academic Honors

- Secured **1st position in the Mini-Project Expo** during schooling.
- Achieved **1st prize for the elocution competition** held in school for the occasion of children's day.
- Participated in various state level talent tests.

Coding

- Solved **500+ problems on LeetCode**, demonstrating strong problem-solving skills and algorithmic expertise.
- **Specialist badge on Code360 (Highest Rating: 1880)**, actively participating in competitive programming contests and improving ranking through consistent performance.
- Achieved **5-star ratings** in **CPP, SQL, Java, Python** on HackerRank.

Certifications

- Red Hat Certified System Administrator (RedHat)
- Information Technology Specialist: Python, HTML/CSS, Java (Pearson VUE - Certiport)
- Java Foundations, Java Programming Learner (Oracle)
- Python for Data Science (Cognitive Class)
- Database Foundations (Oracle)
- SQL, Javascript, Java Basics(HackerRank)