SOMU JAHNAVI REDDY

LinkedIn | GitHub

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EDUCATION

- **Shri Vishnu Engineering College For Women, Bhimavaram** 2022 – 2026
  B.Tech in Artificial Intelligence and Machine Learning CGPA: 9.23 / 10.0

- **Narayana Junior College, Gudavalli** 2020 – 2022
  Intermediate (MPC) 95.1%

- **Vishwabharati English Medium School, Gudivada** 2019 – 2020
  SSC 100%

PROJECTS

- **Cotton Disease Prediction** |GitHub
  Developed a CNN-based deep learning model to classify cotton plant diseases from leaf images.Used ImageDataGenerator for real-time image augmentation and organized data into labeled directories.The model architecture included convolutional, pooling, and dropout layers to enhance accuracy and prevent overfitting.Evaluated performance using accuracy and loss plots,achieving high classification accuracy across multiple disease types.
  Tech: Python, TensorFlow, Keras, CNN,ImageDataGenerator, NumPy, Pandas, Matplotlib, Scikit-Learn

- **Farmer Buddy – Smart Assistant for Crop Fertilizer Recommendations** |GitHub
  Developed a unified web platform that recommends optimal crops and fertilizers based on soil type and climate conditions. Integrated two ML models for crop and fertilizer prediction using Random Forest and Gradient Boosting algorithms.
  Tech: Python (Flask), React.js, Firebase, Scikit-learn, Pandas, Random Forest, Gradient Boosting.

SKILLS

- **Programming Languages:** C, Java, Python, SQL

- **Web Technologies:** HTML, CSS, JavaScript

- **Frameworks:** ReactJS, Node.js, Pandas, NumPy, Matplotlib

- **Tools:** MySQL, Tableau,Power BI, Git

- **Platforms:** Visual Studio Code, Google Colab

- **Core Areas:** Data Structures and Algorithms, Machine Learning

- **Soft Skills:** Self-Motivation, Teamwork, Adaptability, Time Management

PROFILES

- **LeetCode:** https://leetcode.com/u/Jahnavi_2308/

- **HackerRank:** https://www.hackerrank.com/profile/jahnavireddysomu

- **CodeChef:** https://www.codechef.com/users/jahnavi92

- **InterviewBit:** https://www.interviewbit.com/profile/jahnavi-reddy_191/

CERTIFICATES

- **Java Programming:** Oracle Academy 🔗

- **Smart Coder – Smart Interviews, 2024:** 🔗

- **Database Foundations:** Oracle Academy 🔗

INTERNSHIPS

- **Machine learning– Skill Dzire:** Gained hands-on experience in building machine learning models and proficiency in python .

HACKATHONS & ACHIEVEMENTS

- **GDSC Hackathon – SVECW, 2024:**
  Participated in a campus-level GDSC Hackathon.Built a project titled "InformationHub" – a web platform to explore company brands, job postings, and human rights.