BONAM KRISHNA RAJA SREE

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EDUCATION

Bachelor of Technology in Computer Science And Cyber Security   **2022 − 2026**
Shri Vishnu Engineering College for Women,Bhimavaram   *CGPA: 9.1*

Intermediate (MPC)   **2020 − 2022**
Aditya Junior College, Palakollu   *Percentage: 89%*

Secondary School Education (Class X)   **2019 − 2020**
Aditya Public School, Palakollu   *Percentage: 100%*

EXPERIENCE

Infosys Springboard Internship 5.0   Intern – Breast Cancer Detection Project   ↗   **Oct 2024 – Dec 2024**
- **Model Development**: Designed and implemented a breast cancer detection model using AdaBoost, enhanced with SMOTE to address class imbalance, providing real-time classification of tumors as malignant or benign.
- **Key Features**: Integrated dynamic input sidebar, displayed performance metrics (ROC curve, confusion matrix), showcased feature importance, and developed an interactive, user-friendly design for ease of use.

PROJECTS

Book Exchange Platform (Technologies: MERN Stack) ⌂
- **Objective:** Built a web platform for users to list, search, and exchange books with real-time availability updates.
- **Features:** Included features like user authentication, messaging system, and secure transactions.

Plant Disease Detection (Python, TensorFlow/Keras, OpenCV, Scikit-learn) ⌂
- **Objective:** Built a CNN-based model for early detection of plant diseases using leaf images
- **Features:** Achieved high accuracy through image preprocessing and real-time analysis, aiding timely intervention for farmers.

Smart PDF Chatbot (Technologies: React.js, Node.js, pdf-parse, Web Speech API, LLM) ⌂
- **Objective:** Built a chatbot that enables users to interact with and extract insights from PDFs using natural language powered by LLMs.
- **Features:** Voice-based querying with speech recognition and synthesis, multi-PDF comparison, LLM-based response generation, and auto-visualization of tabular data using PDF parsing.

Netflix TV Shows and Movies Dashboard (Technology: Tableau) ⌂
- **Objective:** Created an interactive Tableau dashboard to explore and analyze Netflix content data.
- **Features:** Visualized genre distribution, content trends over time, country-wise content availability, and ratings to derive viewer insights.

TECHNICAL SKILLS

Languages: Python, Java, HTML CSS, JavaScript

Key Coursework: OOPS, Operating Systems, DBMS, Machine Learning, Computer Networks, SDLC, Agile Methodology

Tools: Tableau, Git/GitHub, VSCode, Jira (familiar)

Frameworks: React.js, Node.js, Pandas, Numpy, OpenCV, TensorFlow

Databases: MYSQL, MongoDB

Cloud & IoT: Basic understanding of Cloud Computing and IoT concepts

CO-CURRICULAR ACTIVITIES

GDSC Solution Hackathon 2024
- Participant in the 17-Hour Hackathon focusing on the Sustainable Development Goal "Decent Work and Economic Growth."
- Proposed and built a demo of a collaborative food donation platform aimed at reducing food waste and supporting communities in need.

5G/6G Hackathon Participant
- Participated in the 30-hour national-level 5G/6G Hackathon organized by the Department of Telecommunications (DoT) and The AI School, TCOE India, held at IIIT Hyderabad in September 2024.
- Selected among the top 80 teams from over 4000 entries across India and collaborated with industry experts, gaining hands-on experience in advanced 5G/6G technologies.

CERTIFICATIONS

- DataBase Programming with SQL (Oracle Academy)
- Google CyberSecurity Professional Course (Coursera)
- Introduction to Cybersecurity (CISCO)
- Completed Machine Learning Internship, Full stack development Internships at SkillDzire (APSCHE ,AICTE)