Rishitha MB

Python Developer

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GITHUB | LINKEDIN

EDUCATION

NAGARJUNA COLLEGE OF MANAGEMENT STUDIES   Aug/2023 - July/2026
COMPUTER APPLICATIONS BCA   Bangalore
CGPA: 8.9

BLOOMS PU COLLEGE   2021 - 2023
COMPUTER SCIENCE PU   Bagepalli
Percentage: 86%

BLOOMS INTERNATIONAL SCHOOL   2019 - 2020
10TH   Bagepalli

SKILLS

PROGRAMMING LANGUAGES	Python, CSS, Html
LIBRARIES/FRAMEWORKS	React(basics)
TOOLS / PLATFORMS	git, Git hub, VS Code
DATABASES	sql, mysql

PROJECTS / OPEN-SOURCE

AI-POWERED DSA CONTENT GENERATOR | LINK   Tech Stack: React.js, n8n (Automation), Google Gemini Pro, react-markdown, jsPDF, and html2canvas.

AI-Powered DSA Study Guide Generator A React-based web application that instantly transforms topics like "Binary Search" into comprehensive, downloadable study guides. It utilizes a decoupled architecture with an n8n backend to fetch explanations from Google Gemini, featuring Markdown rendering, a responsive dark mode, and client-side PDF export via jsPDF.

3D-CHATBOT | LINK   Tech Stack: HTML5, Tailwind CSS, Vanilla JS (ES6+), Three.js, Google Gemini Pro 1.5 API, Open-Meteo API, and native Browser APIs (Speech, Geo, Storage).

Robo-One: The Single-File 3D AI Assistant A fully functional conversational AI contained entirely within a single index.html file. Powered by Google Gemini, it features an animated 3D robot that can see, hear, and speak. This zero-install application supports multimodal interaction (Voice, Text, Vision), context-aware animations (dancing, waving), and persistent memoryall without Node.js or build tools.

SMARTLENS | LINK Kotlin, Development Environment: Android Studio (Ladybug/Koala version), Machine Learning: TensorFlow Lite , Model Architecture: EfficientDet-Lite0, Camera API: Android CameraX (Image Analysis use case), Audio Output: Android TextToSpeech (TTS) ,Engine Build System: Gradle

SmartLens is an AI-powered android application designed to serve as a digital visual assistant for visually impaired or blind individuals. The application leverages the smartphone's camera and on-device Machine Learning to analyze the user's surroundings in real-time without requiring an active internet connection.

The system detects everyday obstacles (such as chairs, tables, and people) and uses a custom algorithm to estimate their distance and directional position relative to the user. It converts this visual data into descriptive audio sentences (e.g., "Table is 1 meter away on your Left"), allowing the user to navigate indoor environments safely and independently.

CERTIFICATIONS

- Git and Github - **365DATASCIENCE**
- Data Analysis in power Bi with chatgpt - **365DATASCIENCE**
- Introduction to AWS - **365DATASCIENCE**
- Excel Basics - **ANALYTICS VIDHYA**