KOTIPALLI GUNA SAI

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SUMMARY

- Computer Science student with experience in software development.
- Skilled in Java, Python, and JavaScript, with a solid foundation in data structures and algorithms.
- Experienced in working on both team and individual projects.
- Passionate about solving problems through code.

PROJECTS

My-Music   Mar 2024 – Ongoing
- Developed a modern music streaming app with real-time chat, admin dashboard, and personalized features.
- Implemented Socket.io for live interactions and Clerk for secure Google authentication.
- Integrating a personalized recommendation system based on user listening history.

Stack: MERN, TailwindCSS, Socket.io, Clerk, AWS-s3

IoT-Based Visitor Management System with Vehicle Detection   Apr 2024 – Jul 2024
- Built a YOLO-powered real-time visitor system using ESP32-S3, cutting manual intervention by **80%**.
- Led a 6-member team, achieving **90%+ license plate recognition accuracy** in varied lighting via OpenCV optimization.
- Resolved frontend-backend sync issues by redesigning Flask–React APIs.

GitHub: github.com/visitor-management

Stack: ESP32-S3, OpenCV, Flask, React, MongoDB

Certification: Visitor Management Certificate

BrainWave – Cognitive Retraining Website for Children with Autism and Dyslexia   Oct 2023 – Feb 2024
- Built an interactive MERN-stack platform with **4+ gamified exercises** designed to support cognitive skill development in children with autism and dyslexia.
- Implemented a quiz-based assessment system to **predict the cognitive difficulty level** and type of disorder.

GitHub: github.com/cognitive-retraining

Stack: MERN Stack, Node.js, React, MongoDB

Certification: Cognitive Retraining Certificate

TECHNICAL SKILLS

Languages: Java, Python, JavaScript

Programming Fundamentals: Data Structures and Algorithms, Object-Oriented Programming (OOP), Operating Systems, DBMS

Web Development: HTML, CSS, MERN Stack (MongoDB, Express.js, React.js, Node.js)

Databases: MongoDB, MySQL

Cloud & DevOps: AWS (EC2, S3, VPC), Docker

Tools & Platforms: Git, GitHub, VS Code, PyCharm

EDUCATION

Keshav Memorial Institute of Technology, Hyderabad, India   Nov 2022 – Present
Bachelor of Technology in Computer Science and Engineering   ***CGPA: 8.98 / 10.0***

Bhashyam Junior College, Hyderabad, India   Jun 2020 – Apr 2022
Intermediate (12th Grade) – MPC   ***Score: 98.1%***

Bhashyam Public School, Hyderabad, India   Jun 2019 – Apr 2020
Secondary Schooling (10th Grade) – SSC   ***GPA: 10.0 / 10.0***