

Balarakesh Gundapaneni

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SUMMARY

Passionate about technology, problem-solving, and web development. Proficient in C, C++, Python, Java, JavaScript, HTML, CSS, SQL, and PHP, with projects like IntruderVision, HandWave Unlock and MailAlert. Enjoys competitive programming with a strong focus on Data Structures and Algorithms.

PROJECTS

IntruderVision: — Python, OpenCV, MediaPipe, Flask, Email Alerts, Web (HTML, CSS, JavaScript)

- IntruderVision is a gesture-based security system using OpenCV and MediaPipe for real-time face and hand tracking. It integrates Flask for backend processing and sends email alerts upon detecting unauthorized access. The system includes a web-based interface for monitoring and control.

HandWave Unlock: — Python, OpenCV, MediaPipe, Flask, Web (HTML, CSS, JavaScript)

- HandWave Unlock is a gesture-based authentication system using MediaPipe for real-time hand tracking and OpenCV for video processing. It integrates Flask for backend processing and provides a web-based interface for seamless interaction.

AirCursor: — Python, OpenCV, MediaPipe, AutoPy, Computer Vision

- AirCursor is a Python-based project that enables touch-free control of a computer mouse using hand gestures. It allows users to move the cursor, perform left and right clicks, and drag objects without touching a physical mouse.

MailAlert: — Python, Flask, IMAP, Email Monitoring, Web (HTML, CSS, JavaScript)

- MailAlert is an intelligent email monitoring system that detects and alerts users about specific keywords in incoming emails. It utilizes IMAP for email retrieval, Flask for backend processing, and a web-based interface built with HTML, CSS, and JavaScript for real-time notifications and user interaction.

KinoVibes-Movies Streaming and Downloading Platform: — MERN Stack

- Developed a movie streaming and downloading platform using the MERN stack (MongoDB, Express.js, React, Node.js) to handle user authentication, movie recommendations, and high-speed content delivery. Integrated efficient search and filtering for seamless access to movies.

EDUCATION

2023 - 2027	Bachelor's Degree at SRMAP University	(GPA: 9.18/10.0)
2021 - 2022	Class 12th Board of Intermediate Education, Andhra Pradesh	(982/1000)
2020	Class 10th Andhra Pradesh Board of Secondary Education	(592/600)

SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, C++, HTML, CSS, SQL, PHP
- **Soft Skills:** Communication Skills, Problem-Solving, Critical Thinking, Teamwork, Collaboration
- **AI Tools and Technologies:** Git, GitHub, VS Code, Cursor (AI Coding Assistant), Windsurf, ChatGPT, GitHub Copilot, Perplexity AI, Gemini, v0, Lovable.
- **Core Competencies:** Data Structures and Algorithms (DSA), Complexity Analysis, Competitive Programming