

Balarakesh Gundapaneni

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EDUCATION

2023 - 2027 Bachelor's Degree at **SRMAP University** (GPA: 9.35/10.0)
2021 - 2022 Class 12th Board of Intermediate Education, Andhra Pradesh (982/1000)

EXPERIENCE

Intern at AddWise Tech Innovation **May 2025 – July 2025**

- Worked on full-stack development projects involving React, Node.js, and SQL.
- Implemented user authentication, dashboard features, and QR code generation.
- Collaborated with the team to enhance security and UI/UX in ongoing projects.

PROJECTS

IntruderVision — *Python, Flask, Email Alerts, HTML, CSS, JavaScript* **Jan 2025**

- Built **IntruderVision**, a real-time security system using *OpenCV* and *MediaPipe*.
- Captured and logged intruder images with timestamps for detailed monitoring and evidence.
- Enabled gesture tracking with under **200ms latency** via *Flask* optimization.
- Triggered intrusion email alerts within **3 seconds** of detection.

HandWave Unlock — *Python, OpenCV, Flask, HTML, CSS, JavaScript* **Feb 2025**

- Built a gesture-based authentication system enabling **real-time hand tracking** with *MediaPipe*.
- Enabled unlocking of a laptop or PC using any 3 user-selected hand gestures for personalized security.
- Processed webcam input using *OpenCV*, achieving interaction latency under **250ms**.
- Integrated a Flask backend for processing user gestures and matching them with stored patterns.

AirCursor — *Python, OpenCV, MediaPipe, AutoPy, Computer Vision* **Dec 2024**

- Developed a touch-free mouse control system using **hand gestures** detected in real-time with *MediaPipe*.
- Utilized *OpenCV* to capture and process live webcam video for accurate gesture recognition.
- Employed *AutoPy* for simulating mouse actions including cursor movement, left/right clicks, and drag operations without physical contact.

KinoVibes Movies Streaming and Downloading Platform — *MERN Stack* **Apr 2025**

- Developed a full-stack movie streaming platform with user authentication and profile management.
- Implemented high-speed content delivery optimized for smooth streaming and downloading.
- Integrated advanced search and filtering features for seamless movie discovery.
- Used **Google Drive** as a temporary database during testing to efficiently manage movie assets.

SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, C++, HTML, CSS, SQL, PHP
- **Soft Skills:** Effective Communication, Analytical Thinking, Strategic Problem Solving, Team Collaboration, Adaptability
- **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