JOSEPH SHIBU

Computer Vision Developer

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SUMMARY

I am a motivated and creative developer specializing in computer vision, Python scripting, and interactive project development. I am passionate about creating impactful technology that ranges from gesture-based controls to intelligent body tracking, leveraging my expertise in OpenCV and real-world integration. I thrive in collaborative environments and enjoy tackling hands-on challenges

EXPERIENCE

Campus Lead

TinkerHub Foundation

📅 07/2024 - 06/2025   📍 Kochi, Kerala, India

A foundation focused on promoting technology and skills learning

- Led initiatives to promote tech learning across campus
- Organized workshops, coding events, and mentoring sessions

Volunteer

TinkerHub Foundation

📅 10/2023 - Present   📍 Kochi, Kerala, India

A foundation focused on promoting technology and skills learning

- Active contributor in community learning, events, and peer mentoring

Python Mentor & Developer

Prime Academy

📅 01/2025 - 03/2025   📍 Kochi, Kerala, India

An academy focusing on technology and skill development

- Conducted hands-on sessions in Python for beginner and intermediate learners
- Assisted in dev-related backend tasks (Made A Custom WhatsApp Bot)

Freelance Designer

Clean Our Kochi

📅 01/2022 - Present   📍 Kochi, Kerala, India

A firm providing housekeeping and maintenance services

- Designed social media posters
- Helped with branding and other support work for the housekeeping and maintenance firm

EDUCATION

Bachelor of Technology in Computer Science

Albertian Institute of Science and Technology

📅 09/2023 - 09/2027   📍 Kochi

SKILLS

CSS   Git   GitHub   HTML

JavaScript   Jupyter   NumPy

OpenCV   Python

Visual Studio Code   Python Scripting

Zoom   Gmail   WhatsApp

PROJECTS

Zoom In Zoom Out

📅 04/2025 - 04/2025

A project implementing gesture-controlled zooming functionality through hand tracking

- Gesture-controlled zooming using hand tracking and distance calculation
- Pinch gesture to zoom in/out in real time via webcam feed

Background Changer

📅 04/2025 - 04/2025

A project focused on background changer and to enhance video quality

- Real-time background changing using webcam feed or static images
- Smooth object-background separation for various use cases

Volume Control

📅 04/2025 - 04/2025

An innovative volume control system using hand gestures for user interaction

- Control system volume using hand gestures captured through webcam
- Maps thumb-index finger distance to live volume control

Body Tracking

📅 04/2025 - 04/2025

A project focusing on body tracking for interactive applications

- Full-body tracking using MediaPipe for motion-based interfaces
- Real-time pose estimation for interactive or fitness applications