

# VISHNU PRAKASH O

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<https://github.com/ivishnuprakash>

## Education

Master of Computer Applications

08/2022 - 10/2024

Dr. John Mathai center ,thrissur

Relevant Coursework: Python, PHP, Java, ML, Java Script ,HTML 5,Big Data and Oops

## Professional Experience

- JAVA Full-stack Developer,  
KODIFINE 02/2024 - 08/2024 | Ernakulam , Kerala
- Data Visualization : Empowering Business With Effective Insight  
TATA - Forage 05/05/2025 |
- SQL |  
HackerRank 10/05/2025 |

## Academic Project

March 2024 - September 2024

### PG Main project : Invoice Management System (python)

- Stock and Record Management: Securely stores stock and business 100 % details for permanent access. Automated E-mail alert  
Sends timely notifications for cheque due dates.
- Order product via online and Flexible Payment Options: Supports half, full, and future payments for added convenience order management:
- Facilitates product ordering with integrated payment options and sales analysis generates graphical sales reports to help administrators evaluate performance.
- Monthly Graphical Reports: Provides graphical representation of sales-reports every month for detailed insights customer support
- Dedicated complaint box for users to submit grievances, enhancing service quality and satisfaction.

June 2023- November 2023

### PG Mini project : AI Mouse (python)

- Gesture Recognition and Hand Detection: Use a webcam to capture hand movements and detect hands in the video frame using OpenCV trained model MediaPipe.
- Landmark Tracking and Gesture Mapping: Identify key hand landmarks (e.g., fingertips, palm center) and map gestures to mouse actions, such as cursor movement, clicks, scrolls, and drag-and-drop.
- Action Assignments: Track the index finger or palm for cursor control, detect pinch or finger taps for clicks, and recognize swipes for scrolling.
- Noise Filtering and Accuracy: Employ OpenCV techniques like background subtraction and contour filtering to minimize noise and enhance gesture detection accuracy.
- Optimized Performance: Focus on real-time processing to ensure seamless and precise interaction between gestures and system actions.

### JAVA Full stack development(Internship)KODIFIE

June 2024 - August 2024

### project : Smile-farm

- Expert Agricultural Support: Provides advice on fertilizers, farming practices, and query resolution tailored for Indian farmers.
- Multichannel Accessibility: Offers personalized advice via email, query submission through a phone line, and multilingual support.
- Product Marketplace: Enables farmers to sell their products directly, enhancing market access and profitability.

## Technical Skill

- Programming Language Back-end : Java ,Python Front-end :HTML , CSS
- Database Management : MySQL
- Deep Learning: OpenCV.
- Framework : Spring Boot, Flask, Bootstrap
- Source Code Editor : VS Code
- Data analysis : Tableau,PowerBI,Excel,SQL.

## Languages

- English , Malayalam , Hindi, Tamil