

# GRISHMA SHINDE

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## EDUCATION

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### UNDERGRADUTE UNIVERSITY - MIT WORLD PEACE UNIVERSITY

Bachelor of Technology in Computer Science - Artificial Intelligence and Data Science

### HIGH SCHOOL - INDIA INTERNATIONAL SCHOOL, SHARJAH

CBSE (Class XII) | Science

### SECONDARY SCHOOL - INDIA INTERNATIONAL SCHOOL, SHARJAH

CBSE (Class X) | 90%

## SKILLS

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- **Programming Languages:** Python, C++, Java, SQL, C
- **UI/UX Design:** Figma, Adobe XD
- **Web Technologies:** HTML, CSS, JavaScript, Shopify, Wix, Hostinger
- **Machine Learning & Deep Learning:** TensorFlow, Keras, Scikit-learn, PyTorch Data
- **Science Tools:** Pandas, NumPy, Matplotlib, Seaborn
- **Database Systems:** MySQL, MongoDB, Neo4j
- **Graphic Design:** Adobe Photoshop, Canva
- **3D Modeling & Design Tools:** Autodesk, AutoCAD, Blender

## PROJECTS

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### LearnIQ

Built a Java app that transforms PDFs into interactive learning tools with quizzes and adaptive Q&A. Used PDFBox for text extraction, Gemini API for quiz generation, and Neo4j for data storage. Developed a Swing-based GUI with multithreading (SwingWorker) for smooth user interaction. Applied OOP, collections, and API integration to create a modular, educational tool.

### BinSense

Designed and developed an IoT-powered smart bin system capable of automation waste detection, classification, and sorting using sensor integration and machine learning. Implemented real-time bin status monitoring, alert system for waste overflow, and efficient segregation of biodegradable and non-biodegradable waste.

### Automated Vehicle Number Plate Recognition System

Developed a computer vision project that utilizes a camera to capture images of vehicles, automatically crops the number plate region, and employs OCR technology for accurate number plate recognition.

### CropAI

Developed a crop recommendation system tailored for Kerala's unique agro-climatic conditions. The system analyzes soil health, weather patterns, and crop requirements to provide farmers with personalized recommendations. This tool aims to enhance agricultural productivity, optimize resource use, and promote sustainable farming practices in the region.

### HealthShield : Rural Children Vaccination Platform

Created a management system to streamline the tracking of vaccination records for children in rural areas. The system maintained comprehensive data on children's immunizations, healthcare providers, and scheduling, enhancing healthcare delivery and ensuring timely vaccinations in underserved communities.

## CERTIFICATES

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- Data Fundamentals : DataScience – IBM | Feb 2025
- Unity Essentials Certificate : ARVR – Unity | Jan 2025

## EXTRACURRICULAR ACTIVITIES

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### **Innovation Research and Intelligence Search Club - General Secretary**

Leadership, team coordination, event planning, strategic decision-making, cross-functional collaboration, documentation, logistics management, internal communications, mentorship.

### **Innovation Research and Intelligence Search Club - Marketing Head**

Brand development, campaign strategy, digital outreach, social media management, content marketing, audience engagement, visual design, Adobe Photoshop, Canva, Figma, marketing analytics.

### **Amazon Web Services - Member**

Public relations, community engagement, event promotion, content writing, social media coordination, branding, visual communication, collaboration with technical and outreach teams, Canva, Instagram management.