

# INDIRA M

## Software Developer

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## SUMMARY

Entry-level Software Developer with hands-on experience in building real-time full-stack and AI-driven applications. Proficient in Python, Flutter, Django, Node.js, and MongoDB, with practical exposure to REST APIs, cloud deployment, and machine learning models. Passionate about scalable system design and problem-solving.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, Dart

**Web Technologies:** HTML5, CSS3, Bootstrap

**Frameworks & Libraries:** Flutter, Django, Flask, Node.js, Express.js

**Databases:** MySQL, MongoDB (Atlas)

**APIs & Backend:** RESTful APIs, CRUD Operations, WebSockets (Socket.io)

**Tools & Platforms:** Git, GitHub, Docker, VS Code

**AI / ML:** Machine Learning, Deep Learning, TensorFlow, Keras, OpenCV, NLP

## PROJECTS

### Real-Time Home Services Booking and Service Management System

- Developed a real-time web application for booking and managing home services.
- Implemented responsive frontend using **Next.js** and backend APIs using **Node.js**.
- Integrated **MongoDB Atlas** and deployed the application using **Render** with **GitHub**.

### Face Detection System Using Computer Vision

- Developed a real-time face detection application using **Python** and **OpenCV** for live video stream processing.
- Implemented the **Haar Cascade Classifier** algorithm for efficient face detection with low latency.
- Achieved **~92% detection accuracy** under controlled lighting conditions.

### Real-Time Optimal Exam Hall Seating Arrangement System

- Designed an automated seating arrangement system using Flask, MySQL (XAMPP), and Excel datasets to optimize exam hall allocation.
- Implemented an optimization algorithm to minimize seating conflicts and ensure balanced distribution of students across departments.

## INTERNSHIPS

### Postulate Pvt. Ltd. – ERP Project Development Intern

- Worked on real-time ERP projects using Ionic (Frontend), Django (Backend), and XAMPP Server with phpMyAdmin (MySQL).
- Developed and integrated modules for inventory, sales, and employee management with real-time data handling.
- Gained experience in full-stack development, database management, and system optimization.

### Notasco Technology India Pvt. Ltd. – AI/ML Intern

- Contributed to a real-time AI/ML-enabled rural healthcare pod project for predictive health analytics.
- Implemented machine learning algorithms with focus on accuracy, model validation, and performance optimization.
- Performed data preprocessing, feature engineering, model training, and deployment for reliable healthcare solutions.

## EDUCATION

Bachelor of Engineering (B.E) in Computer Science and Engineering  
Dr.G.U Pope College of Engineering

2022 - 2026

Higher Secondary Education (HSE)  
Mahatma Matric Hr.Sec School - Aggregate : 81 %

2020 - 2021

## ACHIEVEMENTS & CERTIFICATIONS

Certified in Python Programming – Postulate Pvt. Ltd / [2022]

Certified in Django Framework – Postulate Pvt. Ltd / [2022]

Completed AI/ML Project Training – Notasco Technology India Pvt. Ltd. / [2025]

Real-Time ERP Project Development – Postulate Pvt. Ltd. / [2022]

First Prize – Project Expo for AI Enabled Notes Management System