

Roshan Kishor Thakur

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Professional Summary

Computer Engineering undergraduate with a strong foundation in **Computer Science, Data Structures, Algorithms, and Object-Oriented Programming**. Hands-on experience building real-world applications using **Python, Java, and C++**, including computer vision, database systems, and web-based solutions. Actively seeking a **Software Engineering / Associate Software Developer Intern** role.

Education

Savitribai Phule Pune University, Pune Bachelor of Technology in Computer Engineering	2024 – 2027 (Expected)
Zeal Polytechnic, Pune Diploma in Computer Engineering — 80.40%	2024

Technical Skills

Languages: C++, Java, Python
Core Concepts: Data Structures, Algorithms, OOP, Problem Solving
Development: Software Development, Debugging, Testing, SDLC
Tools & Tech: Git, OpenCV, MediaPipe, FastAPI, MySQL, SQLite, HTML, CSS, JavaScript

Projects

Privacy Guard — Real-Time Screen Privacy Protection (Windows App)

Python, OpenCV, MediaPipe, PyQt5

- Built a real-time privacy application that automatically blurs the screen when unauthorized presence is detected.
- Implemented computer vision-based face and object detection without deep learning for low-latency performance.
- Designed a full-screen blur overlay and alert mechanism to prevent data exposure in public spaces.
- Demo: LinkedIn Project Demo

Rent Manager X — DBMS Mini Project

Python, Tkinter, SQLite, ReportLab, CustomTkinter

- Developed a database-driven rent management system for tracking tenants, payments, and reports.
- Designed normalized schemas and implemented CRUD operations using SQLite.
- Automated invoice and report generation for improved record management.
- Demo: LinkedIn Project Demo

Teacher Helping System — Web-Based Automation Platform

Python, HTML, CSS, MySQL

- Built a web solution to automate teacher scheduling with real-time updates.
- Implemented conflict resolution logic to prevent timetable overlaps.

MindGuard — Hackathon Prototype for Digital Wellness

Python (FastAPI), HTML, CSS, JavaScript, Gemini API

- Developed an AI-powered wellness application to reduce digital stress through mindful breaks and ambient UI.
- Integrated an AI wellness coach and interactive animations for better user engagement.
- Demo: Live Project Link

Certifications

Accenture Software Engineering (Forage) • HackerRank Software Engineer Intern • Barclays LifeSkills Programming

Languages

English (Fluent), Hindi (Fluent), Marathi (Native)