

SHRUTI MALVIYA

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EDUCATION

Shri Vaishnav Vidyapeeth Vishwavidyalaya

Indore, Madhya Pradesh

Bachelor of Technology – Computer Science and Engineering: CGPA: 8.00

Mar Thoma Hr. Sec. School

Indore, Madhya Pradesh

AISSCE (Class XII) Percentage: 82%

AISSCE (Class X) Percentage: 86%

SKILLS

- **Programming and Development:** Python, Kotlin, Java, C/C++, HTML, CSS, JavaScript, Flask, Jetpack Compose, Spring Boot
 - **Tools and Technologies:** Git, OpenCV, Firebase, RESTful APIs, React (Familiar), Roboflow, Kaggle
 - **Concepts and Databases:** DSA, OOP, Deep Learning (CNN/R-CNN), Operating Systems, PostgreSQL, MySQL
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RELEVANT COURSES

- Android 14 and Kotlin Development – Udemy
 - Core JAVA Programming – NPTEL
 - Introduction to Artificial Intelligence and Machine Learning using python – NPTEL
 - Soft skills – NPTEL
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INTERNSHIPS & EXPERIENCE

Computer Vision and Machine Learning Intern

June 2024 – July 2024

Cummins Turbo Technologies | 2024

Link - <https://github.com/techyJimbei/Cummins-Technology-Internship.git>

- Built a real-time **object detection** system for machinery parts using **YOLOv9**
 - Utilized **Python**, **OpenCV** libraries, and **Roboflow** for model training, annotation, and image processing.
 - Deployed the solution with **Flask**, optimizing for low latency and industrial usability.
 - Improved automation accuracy on the assembly line through custom **CVML** pipelines.
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PROJECTS

Momentum – Social Productivity Android App

Link - <https://github.com/techyJimbei/momentum.git>

- Developed a **Kotlin-based Android app** using **Jetpack Compose** for productivity tracking.
- Integrated features: task creation, daily goals, coin-based rewards, leader board, chat rooms, and story/post sharing.
- Built and connected backend using **Spring Boot** and **PostgreSQL** with **RESTful APIs**.
- Implemented authentication, **CRUD** operations, and real-time leader board updates.

College Chatbot

March 2024 – June 2024

- Created an **NLP-based chatbot** in **Python** for college website query handling.
 - Automated FAQ responses, reducing query resolution time by **30%**.
 - Enhanced user navigation and engagement through **real-time assistance**.
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