

# SAHANA DK (JIYA)

+91 6363714600 ◇ Bengaluru, India

[itsjiya4575@gmail.com](mailto:itsjiya4575@gmail.com) ◇ [Linkden](#) ◇ [GitHub](#) ◇ [Portfolio](#)

## OBJECTIVE

---

Aspiring software engineer driven by curiosity, innovation, and a love for solving real-world problems through code.

## EXPERIENCE

---

### Plant IT Intern

April 2025 - Present

[Hob Vision Technologies](#)

*Bengaluru, India*

- Built an AI/ML model to classify and analyze maintenance logs, reducing manual review time by 30
- Developed an OCR-based automation tool to digitize plant records and reports, improving data retrieval speed by 40
- Integrated OCR pipelines with plant IT systems to extract structured data from scanned documents, enabling faster reporting and decision-making.
- Collaborated with IT and operations teams to deploy AI-driven solutions that streamlined document management and reduced human error.

## PROJECTS

---

### City Runner Game (Hand Gesture Version) — Unity, Python, OpenCV, TensorFlow

[GitHub](#)

- Built an interactive game via hand-gesture recognition for controls.
- Achieved 85% accuracy in gesture detection using Python, TensorFlow, and OpenCV.

### E-Scan — React, Tesseract, Python (Flask)

[GitHub](#)

- Built a React-based UI integrated with Tesseract backend for real-time document scanning.
- Achieved 92 percent text extraction accuracy, reducing manual effort by 60 percent make it other type of sentence

### Pygame Collection — Python, Pygame

[GitHub](#)

- Built 3 interactive arcade games in Python (Pygame) with scoring, levels, and smooth animations.
- Achieved 60 FPS performance and tested with 20+ users for playability.

## EDUCATION

---

### Master of Computer Applications,[PES University](#)

Expected 2025

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Neural Networks, Web Development,
- Capstone Project: Built “*Hand Gesture Controlled Game*” using Computer Vision + ML achieving 92% accuracy

## SKILLS

---

**Programming:** Python, C/C++, JavaScript

**Frameworks:** React, TensorFlow, PyTorch, OpenCV, Unity 3D

**Tools:** Git, Figma, Vercal

## EXTRA-CURRICULAR ACTIVITIES

---

- Tech Blogger on [Medium](#) – Authored articles on AI, Machine Learning, and Web Development, reaching 5,00+ readers.