

## Eashwar Siddha Satish Nath

S/O SATISH NATH SSL  
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## AI & COMPUTER SCIENCE UNDERGRADUATE | AGRI-TECH ENTHUSIAST

### EDUCATION

- Current – BSc (Hons) Computer Science with Artificial Intelligence | *University of Nottingham Malaysia* | Exp. 2027  
**[Year 1 – First Class Honors]**
- CBSE Senior School (Class XII) | *The Velammal International School, Chennai* | 2024 **[Score: 93.2%]**
- CBSE Secondary School (Class X) | *Srimathi Sundaravalli Memorial School, Chennai* | 2022 **[Score: 95.2%]**

### TECHNICAL SKILLS

- **Languages:** Python, Java (JavaFX), C, HTML, PHP, ARM Assembly
- **AI/ML:** PyTorch, TensorFlow, Mediapipe, YOLO, U-Net, Computer Vision
- **Tools:** Git, Hardware Simulation (HDL), LibGDX

### EXPERIENCE

- **Team Leader** | Software Engineering Group Project 2025-2026
  - Leading a group of 4 students and working with Agritix Sdn Bhd to make a All-Inclusive Mobile App for farmers. (University Module)
- **Publicity Officer** | *CS Tech Fest 2025*
  - Managed publicity campaigns and student engagement through Instagram Reels.
- **Research Intern** | *University of Nottingham Malaysia* | 2025
  - Worked on a U-Net based Semantic Segmentation tool for Soybean Germination Analysis.
- **Student AI Intern** | *University of Oxford (Dr. Ken Kahn)* | 2023
  - Worked on a VGG16 based Rotten Fruit/Vegetable Detector.

### AGRI-TECH PROJECTS

- Artificial Intelligence based rotten fruit detector called Pocket-Farmer.
- U-Net based Semantic Segmentation of Soybean Sprouts for Germination Analysis.

### OTHER PROJECTS

- Terminal Based Contacts Manager using C.
- Maze Solver to visualize search algorithms using Python.
- Clone of the Tetris game using JavaFX.
- OCR Handwriting Recognition model trained from scratch with a Drawing interface.
- A computer vision app using Mediapipe for finger-gesture drawing.

### ACHIEVEMENTS

- **SAT Top Performer India Award (2023):** Achieved a score of 1360.
- **TCS InQuizitive (2023):** Ranked Top 96 nationally in India.
- **IELTS:** Overall Band Score of 7.5.
- **Ranked 3880 Internationally with Zonal (Tamil Nadu) Rank of 292** in SOF National Science Olympiad 2015.