

# Vishal S

## AI & Computer Vision Engineer

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### Profile

Dedicated AI Developer specializing in Computer Vision with proven expertise in deploying end-to-end solutions. Skilled in training deep learning models for object detection and classification and bringing them to life with full-stack development. Proficient in building scalable backend APIs with Python/Flask and creating intuitive user interfaces with HTML, CSS, and JavaScript to deliver high-impact, practical applications.

### Skills

**Programming Languages** – Python | JavaScript (ES6+) | SQL | HTML5 / CSS3

**AI / Computer Vision** – NumPy | Pandas | OpenCV | Matplotlib

**Backend Development** – Flask | RESTful APIs

**MLOps & Tools** – Containerization: Docker | Version Control: Git, GitHub | Cloud : Azure

### Projects

#### Real-Time Face Recognition & Attendance System

Web Application for Automated Attendance Tracking

Aug 2025 – Aug 2025

- Engineered a complete facial recognition system by fine-tuning a Siamese Network with a Triplet Loss function, achieving 98.5% accuracy on a custom dataset.

#### AR Education

An Educational platform with AR support

Aug 2024 – Dec 2024

- Developed an AR-based educational tool to help children with learning difficulties.

### Languages

English, Japanese, Tamil

### Education

#### Bachelor of Engineering in Computer Science and Design

SNS College of Engineering 

2023 – 2027 | Coimbatore, India

CGPA: 8.63

### Professional Experience

#### Web Development Intern

Botroid

06/2025 – 06/2025 | Nilgiris, India

Deployed a professional web portfolio using HTML, CSS, JavaScript, and GitHub Pages.

### Awards

#### 1st Prize: AR Education App Presentation

| Study World College | Oct 2024

#### 1st Prize: HACKHIVE-2K25 Hackathon

| SNS College of Technology | Aug 2025

#### 2nd Prize: Smart Education Hackathon

| Karpagam College of Engineering | Mar 2025

### Courses

#### Advanced Python: Classes and Functions

Linkedin

#### Program Management for IT Professionals

Linkedin

#### Inclusive Leadership

The Project Management Institute (PMI)


### Publications & Certifications

#### The Saturation of the Gaming Industry

Kamaraj College

08/2024

#### Electronic Arts - Software Engineering Job

Simulation 

Forge

#### Microsoft Certified: Azure AI Fundamentals

Microsoft