

Pranav Kulkarni

[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

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Skills

Programming Languages	TypeScript, JavaScript, Java, Python
Frameworks And Libraries	React, Next.js, Node.js, Tailwind CSS, Express
Cloud & DevOps	AWS EC2, AWS S3, CloudFront, Nginx, Docker
Database Management	PostgreSQL, MongoDB
Development Tools	Git, Docker

Education

Bachelor of Engineering - Information Technology

International Institute of Information Technology, I2IT, Pune, India

2026

- Achieved a CGPA of **8.52**, demonstrating outstanding academic performance and a strong understanding of **Information Technology** principles.

Work Experience

Skylark Labs

SDE Intern

july - Present

- Developed and optimized **AI solutions** to enhance system performance and reliability across diverse applications.
- Implemented **WebRTC** technology to facilitate seamless real-time communication and elevate user experience in video streaming scenarios.
- Leveraged **RTSP (Real Time Streaming Protocol)** to manage and deliver high-quality video streams efficiently across various platforms.
- Engineered real-time **face detection systems** utilizing advanced algorithms to improve accuracy and speed in identifying individuals within dynamic environments.

Projects

RTSP Face Detection

2025-june - Ongoing

python , FastApi , NodeJs

[GitHub](#)

- Built a real-time MTCNN-based face detection system with RTSP/IP camera support, webcam fallback, and snapshot generation with bounding boxes and facial keypoints.
- Developed a monitoring dashboard with live FPS, uptime, and total face count, backed by **SQLite-based detection logging and alerting** for event tracking.

PropTradX – Proprietary Trading Platform

TypeScript, Next.js, PostgreSQL (NeonDB), AWS, Oauth, ShadcnUI

[GitHub](#) [Live Link](#)

- Created a **simulated trading platform** enabling efficient participation in **Forex, Crypto, and commodities trading** with **Razorpay Payment Integration**.
- Architected the platform using **TypeScript, Next.js, Framer motion, Oauth, and PostgreSQL (NeonDB)** for **high-frequency trading** performance and scalability.

Achievements

AWS Data Engineering Internship Completion

- Completed an AWS Data Engineering Internship where I honed my skills in managing data pipelines, ensuring data integrity, and leveraging cloud services like AWS S3 and EC2 for effective data storage and processing.