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, Pune, India   *2022 - 2026*

- Attained a CGPA of 8.52, showcasing exceptional academic performance and a robust grasp of Information Technology principles.

WORK EXPERIENCE

StratVeda Technologies Pvt Ltd

freelancer-Technical lead   *Aug 2025 - Present*

- Spearheaded the development of the **Minimum Viable Product (MVP)**, transforming concepts into actionable deliverables and establishing a robust foundation for the company's offerings.
- Exhibited exceptional **technical acumen**, clear communication, and rapid execution, empowering the early-stage startup to advance with assurance and strategic focus.

Skylark Labs

SDE Intern   *July 2025 - Aug 2025*

- Integrated AI models into production environments, enhancing user authentication and stream processing via microservices architecture using **Django REST Framework**, Python, and React Material-UI.
- Implemented **WebRTC** technology, enabling seamless real-time communication and significantly elevating user experience in video streaming applications.
- Leveraged **RTSP (Real Time Streaming Protocol)** to optimize the management and delivery of high-quality video streams across diverse platforms efficiently.
- Engineered real-time **face detection systems**, applying advanced algorithms to significantly boost accuracy and speed in identifying individuals within dynamic environments.

PROJECTS

AI-Powered Document Automation System

Python ,Nextjs ,Prisma ,FastAPI , Gemini API, EXA API   GitHub

- **AI-Powered Legal Document Automation System** — Built a full-stack app using **FastAPI, Next.js, Gemini API, and exa.ai** to convert documents into reusable templates, auto-extract variables, and generate complete drafts through an intelligent chat workflow with template retrieval, Q&A, and markdown export.

RTSP Face Detection

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

- Developed a simulated prop trading platform enabling users to engage in Forex, Crypto, and commodities trading seamlessly with Razorpay Payment Integration.
- Engineered the platform using TypeScript, Next.js, Framer motion, Oauth and PostgreSQL (NeonDB) to ensure robust performance and scalability for high-frequency trading.

ACHIEVEMENTS

AWS Data Engineering Internship Completion

- Developed expertise in AWS data engineering, managing scalable projects with services like S3, IAM, and EC2, with a focus on security and efficiency.