

PROFESSIONAL SUMMARY	An entrepreneurial Computer Engineering student and co-founder developing scalable SaaS platforms, AI/ML models, and secure IoT systems.	
SKILLS	Core Proficiencies: Python TypeScript, Node.js / Next.js AWS (EC2, S3, Elastic Beanstalk) Docker (+ Traefik) & Container Orchestration Raspberry Pi & Embedded Linux FastAPI & RESTful API Design	Familiar With: Go, Rust, Bash/Shell, React, Svelte, PostgreSQL, MongoDB, MySQL, SQLite, Terraform, Prometheus, Grafana, Loki, TensorFlow, YOLO, OpenCV, LoRaWAN, STM32, ESP32, Arduino, IoT Security, Basic Cryptography, BDD/TDD, Agile (Scrum), Git
PROFESSIONAL EXPERIENCE	Pravideon Pvt. Ltd. <i>Director & Co-Founder</i>	Jan. 2024 – Present (operated as freelancers until company incorporation in Oct. 2024) Navi Mumbai, India
	<p>Co-founded a technology company to build and deliver complex software solutions, from scalable SaaS platforms to novel AI systems.</p> <ul style="list-style-type: none">Architected and led development of a multi-tenant SaaS ERP/CRM for the LPG industry and an autonomous fire suppression system using computer vision ($mAP@0.50 = 0.77$).Engineered a fully automated DevOps infrastructure using Docker and Traefik, with a robust observability stack (Prometheus, Grafana, Loki) for zero-downtime deployments.Developed a metadata aggregator processing 15 million court records, a mobile colour-matching app with 96% factory accuracy, and a scalable AWS backend for an LMS serving over 200,000 questions.	
	Avignon Université <i>Summer Research Intern</i>	Jun. 2025 – Aug. 2025 Avignon, France
	<p>Pioneered a novel security approach for the LoRaWAN protocol, with results co-authored for a forthcoming IEEE conference paper.</p> <ul style="list-style-type: none">Resolved critical MAC layer vulnerabilities by integrating ChaCha20-Poly1305 AEAD cryptography.Built a complete hardware testbed with STM32 microcontrollers to benchmark a 10x speed increase and a 90% reduction in energy consumption.	
	Freelancing <i>Software Engineer</i>	Apr. 2023 – Dec. 2023 Remote
	<p>Contributed to the development of a framework for creating customizable AI agents for advisory and planning applications.</p> <ul style="list-style-type: none">Designed and implemented a proprietary web framework using React components for complex prompting logic, knowledge management and various third-party APIs to refine AI agent performance.	
EDUCATION	University Of Mumbai <i>B.E Computer Engineering</i>	Nov. 2022 – Jun. 2026
PROJECTS	AccessEye <p>Automatic license plate recognition and entry management system achieving <700ms inference on a Raspberry Pi Zero 2 W using Python, YOLO, and FastAPI.</p> Aetherline <p>AI-based digitization software and smart knowledgebase for P&ID diagrams, built with Python, OpenCV, Tesseract, YOLO, and Next.js.</p> Bratify <p>Album art generator inspired by Charli XCX's "BRAT" design, written in Svelte and handling over 50k monthly visits.</p> Rosette & Ixora <p>Built developer tools in TypeScript including a library to leverage Notion as a headless CMS and a CodeMirror 6 extension for a WYSIWYG editor experience.</p>	
ACHIEVEMENTS & LEADERSHIP	<p>Gold Medallist, JuniorSkills India 2021 (Web Technologies)</p> <p>Winner, Echelon '25 Hackathon (AI P&ID Digitization)</p> <p>Technical Head, ACES ViMEET and Technical Lead, GDG VIMEET (2024/25)</p> <p>OSS Contributions: Astro, core-js, smaller open-source projects</p>	