

<b>PROFESSIONAL SUMMARY</b>	An entrepreneurial Computer Engineering student and co-founder developing scalable SaaS platforms, AI/ML models, and secure IoT systems.	
<b>SKILLS</b>	<b>Core Proficiencies:</b> Python TypeScript, Node.js / Next.js AWS (EC2, S3, Elastic Beanstalk) Docker (+ Traefik) & Container Orchestration Raspberry Pi & Embedded Linux FastAPI & RESTful API Design	<b>Familiar With:</b> 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
<b>PROFESSIONAL EXPERIENCE</b>	<b>Pravideon Pvt. Ltd.</b> <i>Director &amp; Co-Founder</i>	<b>Jan. 2024 – Present</b> (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"><li>Architected and led development of a multi-tenant SaaS ERP/CRM for the LPG industry and an autonomous fire suppression system using computer vision (<math>mAP@0.50 = 0.77</math>).</li><li>Engineered a fully automated DevOps infrastructure using Docker and Traefik, with a robust observability stack (Prometheus, Grafana, Loki) for zero-downtime deployments.</li><li>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.</li></ul>	
	<b>Avignon Université</b> <i>Summer Research Intern</i>	<b>Jun. 2025 – Aug. 2025</b> 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"><li>Resolved critical MAC layer vulnerabilities by integrating ChaCha20-Poly1305 AEAD cryptography.</li><li>Built a complete hardware testbed with STM32 microcontrollers to benchmark a 10x speed increase and a 90% reduction in energy consumption.</li></ul>	
	<b>Freelancing</b> <i>Software Engineer</i>	<b>Apr. 2023 – Dec. 2023</b> 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"><li>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.</li></ul>	
<b>EDUCATION</b>	<b>University Of Mumbai</b> <i>B.E Computer Engineering</i>	<b>Nov. 2022 – Jun. 2026</b>
<b>PROJECTS</b>	<b>AccessEye</b> <p>Automatic license plate recognition and entry management system achieving &lt;700ms inference on a Raspberry Pi Zero 2 W using Python, YOLO, and FastAPI.</p> <b>Aetherline</b> <p>AI-based digitization software and smart knowledgebase for P&amp;ID diagrams, built with Python, OpenCV, Tesseract, YOLO, and Next.js.</p> <b>Bratify</b> <p>Album art generator inspired by Charli XCX's "BRAT" design, written in Svelte and handling over 50k monthly visits.</p> <b>Rosette &amp; Ixora</b> <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>	
<b>ACHIEVEMENTS &amp; LEADERSHIP</b>	<p>Gold Medallist, JuniorSkills India 2021 (Web Technologies) Winner, Echelon '25 Hackathon (AI P&amp;ID Digitization) Technical Head, ACES ViMEET and Technical Lead, GDG VIMEET (2024/25) OSS Contributions: Astro, core-js, smaller open-source projects</p>	