

V PACHAIAH PULLAIAH ARUN KUMAR

Full Stack Developer | React.js | Next.js | Node.js | Django | Flutter

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PROFESSIONAL SUMMARY

Full Stack Developer with 2+ years of full-time corporate experience (Ldev Technologies, DriveSync Technologies LLP) plus ongoing independent/freelance product engineering since March 2026, across React.js, Next.js, Node.js, Django/Python, and Flutter/React Native. Delivered fullstack features — REST APIs, database design, and responsive UI — for enterprise, government, and startup clients spanning e-commerce, EdTech, agriculture, and civic-service domains. Built and deployed Nirvaha, a live plastic-waste coordination platform (NestJS, PostgreSQL, Redis, Gemini Vision API) that cut scan latency from ~2s to 0.01s using MD5-based Redis caching. Focused on clean architecture, reusable components, and practical, shippable delivery.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Bootstrap, Redux, TanStack Query, Zustand, shadcn/ui, Socket.io, Vite, Turbopack, GSAP, Responsive Web Design

Backend: Node.js, Express.js, Django, Python, NestJS, REST API Development

Mobile: Flutter, React Native, Expo, SQLite, Offline-First App Design

Database & Caching: PostgreSQL, Prisma, MySQL, MongoDB, SQLite, Redis, BullMQ, Object Storage

AI / ML: Gemma-2B, QLoRA, SFT, DPO, Hugging Face, Gemini API, LLM Workflows

DevOps & Tools: Docker, Git, GitHub, GitHub Actions, Cloudflare Deployments, Scaling Fundamentals, CI/CD pipelines

Testing & Quality Assurance : Unit Testing, Playwright, Postman

AI-Assisted Development : Google Antigravity, Claude Code, Codex

PROFESSIONAL EXPERIENCE

Independent Product Engineer — Freelance

March 2026 – Present

- Built and deployed Nirvaha, a three-sided plastic-waste coordination platform (NestJS, PostgreSQL, Redis, Socket.IO, Gemini Vision API) at the GDG Coimbatore "Tech for Good 2026" hackathon — shipped as a live, functioning app and collector dashboard, not a demo.
- Reduced scan latency from ~2s to 0.01s by implementing MD5-based Redis caching, with three-key API rotation and an Ollama local fallback for resilience.
- Developed VesperAero, a federated environmental forensics platform combining the Gemini API with NASA FIRMS satellite data and Gaussian plume physics modeling, for the Hack2skill BRICS Sustainability hackathon.

Environment: NestJS, PostgreSQL, Redis, Socket.IO, Gemini API, NASA FIRMS, Flutter, React.

DriveSync Technologies LLP — Software Development Engineer 1

June 2025 – March 2026

- Delivered fullstack features across multiple client engagements within an agency-model engineering team, spanning web, mobile, and admin tooling.
- ListButler AI: built the frontend with Tailwind CSS and the backend with Django for an e-commerce listing/PIM platform.
- ManaPanta: built a cross-platform mobile app with Flutter and a web frontend with Next.js, backed by a Django backend, for an agriculture service marketplace.
- Neengal Nalamaa: built the frontend and backend using Next.js and Node.js for a citizen welfare/feedback portal.
- Cloud.edu (Cloud County): built the Next.js/React.js frontend for an interactive T-shirt customizer.
- FullyPass: built the React.js website and Flutter mobile app frontend for an EdTech exam-prep platform.
- AudioCup: built the Bootstrap frontend for a specialty coffee brand site.
- Jiffy: built the React Native frontend for a delivery app.
- St. Peter's Law Academy: built backend services with Django for a student portal.

Environment: Django, Node.js, Next.js, React.js, Flutter, React Native, Tailwind CSS, Bootstrap.

Ldev Technologies — Full Stack Developer

February 2024 – June 2025

- SpeedExam: built the frontend with Bootstrap and the backend with Django for an online assessment platform, as part of a team.
- Vitti: built the frontend with React.js and the backend with Node.js for a furniture/home-living e-commerce platform, as part of a team.
- ITNT: built the frontend with React.js and the backend with Node.js for a state-level innovation network portal, as part of a team.
- Received a Certificate of Appreciation from Tamil Nadu Technology Hub (iTNT) for contributions to the JIGSAW portal.

Environment: Django, Bootstrap, Node.js, React.js, Git.

Ldev Technologies — Web Developer Intern

August 2023 – February 2024

- Learned and applied responsive frontend development fundamentals using HTML, CSS, Bootstrap, and Tailwind CSS.
- Built practice web pages implementing responsive layouts and interactive UI elements under team guidance.

Environment: HTML, CSS, Bootstrap, Tailwind CSS.

EDUCATION

B.Tech in Mechanical Engineering — SVS Group of Institutions, 64% (2022)

Diploma in Mechanical Engineering — Talla Padmavathi College of Engineering, 80% (2019)

CERTIFICATIONS

- OPSWAT — Introduction to Critical Infrastructure Protection (ICIP) — Sep 2026
- Tamil Nadu Technology Hub (iTNT) — Certificate of Appreciation, JIGSAW Portal Development — Feb 2024
- GDG Coimbatore — Tech for Good 2026: Build with AI, Participant — Aug 2026
- AWS — Getting Started with DevOps on AWS — Jul 2026
- LinkedIn Learning — Microsoft Azure Essentials — Jun 2026
- Udemy — Docker MasterClass: Docker, Compose, Swarm, DevOps — Aug 2025
- Udemy — React Native Unveiled: From Basics to Mobile Mastery — May 2025
- Udemy — Next.js with Tailwind CSS: Build a Frontend Ecommerce Project — Feb 2025
- Udemy — ReactJs: The Complete ReactJs Course for Beginners — Aug 2024
- Microsoft — Code Control Statements in Python — Jun 2024
- Great Learning — UI/UX for Beginners — Jun 2024
- freeCodeCamp — Responsive Web Design — Apr 2024
- Google — Introduction to Large Language Models — Jun 2024
- HP LIFE — Business Communications — Jul 2026