

YUGENDIRAN G

Full Stack Engineer & AI Engineer

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PROFESSIONAL SUMMARY

Expert Full Stack and AI Engineer with 3+ years of experience building scalable web applications and integrating AI into real-world products. Strong in designing end-to-end systems, developing backend APIs, and creating responsive frontends. Experienced in working with AI models, LLM APIs, automation, and data-oriented features to improve product efficiency and user experience. Known for ownership, fast execution, and turning complex problems into simple, production-ready solutions.

WORK EXPERIENCE

LMES Academy

(2022 - Present)

- Architected and developed a proprietary LMS platform for students, teachers and admins, owning team's technical direction and leading end-to-end execution, serving 5,000+ active users, integrating AI-based features that saved teacher workflows by 60% and reduced overall manual academic operations by 40%.
- Designed and constructed an in-house multi-brand landing page builder serving 1M+ visitors, enabling AI-powered content creation and UI builder that reduced landing page creation time by 70%, optimized pages for performance and conversions, and implemented comprehensive analytics to track traffic, engagement, and conversion metrics.
- Assembled and maintained a reusable UI component library (design system) for internal dashboards, driving UI standardization and saving development time by 40% through shared, scalable components.
- Developed a full-scale School Management System and LMS, enabling student learning workflows, teacher-led curriculum planning, and data-backed decision-making through advanced analytics across 10+ academic dimensions and minimizing manual reporting effort by ~50% for schools, classes, teachers, and students.
- Architected an end-to-end AI-powered interview and recruitment platform, delivering a live AI screening engine with video/audio streaming, real-time transcription, and AI-assisted questioning, alongside a full recruitment admin dashboard covering job and team management, session configuration, candidate pipelines, scheduling, reporting, and workspace settings, shortening recruiter effort by ~60%, cutting manual time to evaluation by 90%.
- Configured the deployment pipeline, implementing Docker multi-stage production builds and automated CI/CD workflows to enable secure zero-downtime deployment across web, API, and real-time services, lowering release time by ~60%, improving release reliability, lowering deployment risk, and standardizing environment configuration.

PROJECTS

- On-Demand Food Delivery & Quick Commerce
 - Engineered an on-demand food delivery and quick commerce platform with real-time order tracking, delivery workflows, and merchant dashboards, processed 4,000+ orders overall.
 - Refined order and logistics workflows, easing manual delivery coordination by ~80%.
- Candidate Recruitment portal
 - Made a recruitment portal that streamlined candidate pipelines and assessments, reducing hiring coordination by ~30%.
- Instagram automation tool
 - Programmed an Instagram automation platform handling 1K+ automated comment/DM interactions per day.
 - Enabled creators to automate engagement, improve response time by ~80%, and scale inbound conversations by 3x.
- Portfolio builder
 - Crafted a adaptive portfolio builder with customizable templates and content management using 10+ reusable components.
 - Reduced portfolio creation time by ~70% and enabled users to publish professional portfolios in under 10 minutes.
- Finance Management System
 - Built a finance management system with categorized transactions and debt tracking with 15+ categories.
- Ecommerce
 - Constructed a full-stack e-commerce platform supporting 5+ order lifecycle stages. Upgraded performance, scalability, SEO and cutting page load time by ~45% across all the pages.

SKILLS

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|----------------|-------------------------|------------------|------------------|
| ● VueJs/NuxtJs | ● ReactJs | ● ExpressJs | ● NestJs |
| ● NodeJs | ● Architecture planning | ● Python | ● Flask |
| ● React Native | ● MySQL | ● TypeORM | ● TailwindCSS |
| ● WebSocket | ● Redis & BullMQ | ● Kafka | ● Docker |
| ● PostgreSQL | ● AWS, GCP, DO & Fly.io | ● AI Integration | ● Github Actions |

EDUCATION

Murugappa Polytechnic College

(2019 - 2022)

Diploma in Computer Engineering