

Meharaj Thoufik A

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EXPERIENCE

Self-Directed Upskilling — Distributed Systems & Backend Engineering Nov 2025 - Present

- Focused on Java backend depth — concurrency, event-driven architecture, and distributed system design — shipping the two production-grade, distributed storage/query services below as the working output.

Software Developer Jun 2024 - Nov 2025

LMNAs Cloud Solutions Chennai, Tamil Nadu

- Built an AI-agent-powered CRM that consolidated lead capture from **4 separate channels** into a single automatically tracked pipeline, removing manual hand-off between tools and triggering follow-ups without sales-rep intervention.
- Replaced **3-4 hours/day** of manual social-media lead sourcing with AI agents that source and qualify leads automatically, leaving the sales team to focus on matching product fit to customer need.
- Cut sales collateral production from a **full day to 4-5 hours**, by having AI agents generate the first draft for the team to refine and tailor rather than write from scratch.
- Delivered a client-specific CRM with SAP integration under a tight pre-sales deadline, helping the team **close the deal against two competitors**.
- Designed a multi-team monorepo framework that reduced development effort by 40%, now used **company-wide** by the web development team.
- Delivered production features end-to-end, from design through GCP deployment, within Agile sprint cycles.

Stack: Java, Python, ERPNext, AI Agents, GCP, SAP & Third-Party Integrations, Next.js, TypeScript

PROJECTS

TaskMesh | Fault-Tolerant Distributed Task Engine | github.com/MeharajThoufik/taskmesh Jun 2026

- Built a distributed task engine simulating real-time payment and order processing, sustaining a measured **5,700+ requests/sec at 23 ms p99 latency** across 3 worker nodes, by designing a scalable, fault-tolerant, low-latency processing pipeline with automated failover and worker scaling.

Stack: Microservices, Kafka, Redis, Docker, Maven

Shortly | Production-Grade URL Shortener | github.com/MeharajThoufik/shortly May 2026

- Built a high-concurrency URL shortener handling **4,800+ requests/sec** with built-in usage tracking and analytics, by designing a scalable, easy-to-manage backend using optimistic locking to prevent race conditions on high-traffic redirects.

Stack: Redis Caching, Optimistic Locking

SKILLS

Technical Java | Distributed Systems | Concurrency | Microservices | Data Structures & Algorithms | Spring Boot | REST APIs
| GraphQL | Kafka | Redis | PostgreSQL | Docker | Linux | Agile / Scrum | TypeScript | Git

Soft Leadership | Team Collaboration | Public Speaking | Mentoring & Tutoring

EDUCATION

K. Ramakrishnan College of Engineering 2020 - 2024

B.Tech, Computer Science and Business Systems CGPA: 8.6

Relevant coursework: OOPs, Computer Networks, Operating Systems, Design Thinking, Marketing Management, Business Strategies

LEADERSHIP & EXTRACURRICULAR

Founder & President, Ignitra Club — KRCE 2022 - 2024

- Founded and led the CSBS department's tech club, organizing students around emerging technologies and bridging industry skills into the department's curriculum.
- Tutored **150+ students** in programming languages and Data Structures & Algorithms, and ran a hands-on inter-college workshop on NVIDIA Jetson.

President, CSBS Department Association — KRCE 2022 - 2024

- Led semester-wise planning and execution of department milestones, and organized an inter-college tech fest that drew **300+ attendees**.