

OM MISHRA

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Full-Stack Engineer | Startup Co-Founder (10,000+ DAU) | React Native · Node.js · Distributed Systems · AI/LLM | 2× National Hackathon Winner

PROFESSIONAL EXPERIENCE

COMMIT AI — AI-Powered Fitness Platform

Seattle, USA (Remote)

Full Stack Engineer (Full-time) | React Native, Node.js, WebSocket, MediaPipe, TensorFlow Lite, AWS, Redis

Mar 2026 – Present

- **Mobile & AI Fitness Engine:** Architected React Native app combining real-time active tracking and passive motion-based auto-logging via MediaPipe pose estimation + on-device TensorFlow Lite inference; built AI engine generating personalised workout plans and adaptive training schedules for 10,000+ DAUs; achieved 67% D30 retention (4× category average).
- **Real-Time Challenge Engine & Backend:** Built WebSocket-managed competitive challenge system with live leaderboard sync and match state; designed Node.js REST backend on AWS EC2 with Docker + GitHub Actions CI/CD; cut API latency 35% via Redis caching; maintained 99.9% uptime with CloudWatch monitoring.

XPONENTIUM INDIA — Data Intelligence

Gurugram, Haryana

Backend Engineer (Intern) | Python, Go, Kafka, Redis, Scrapy, Distributed Systems

Jan 2026 – Mar 2026

- **Distributed Ingestion Infrastructure:** Engineered distributed web scraping system collecting structured data from social platforms and trade portals at 50,000+ records/day; implemented proxy rotation, request throttling, backpressure handling, and fault-tolerant retry logic across async multi-node pipelines.
- **Entity Intelligence Pipeline:** Built multi-source aggregation pipeline constructing comprehensive subject profiles; automated analytical report generation with timeline reconstruction, sentiment scoring, and risk-factor mapping.

PROJEXA AI — EdTech Startup · Academic Project Management Platform (projexa.ai · [Google Play](#))

Gurugram, Haryana

Co-Founder & Tech Lead | React, Python, MongoDB, Redis, Docker, AWS, Socket.IO, LLM Integration

Jun 2025 – Jan 2026

- **0 → 10,000+ Daily Users:** Co-founded EdTech startup and led a 4-engineer team; architected multi-tenant SaaS platform adopted by 10,000+ students and faculty across 3 universities; digitised the full academic project lifecycle — team formation, submissions, evaluations, analytics — via microservices on AWS; shipped web platform and Android app to production.
- **AI Evaluation & Platform Engineering:** Integrated open-source LLMs for rubric-based auto-evaluation (85%+ grader agreement), cutting manual evaluation workload 60%; implemented fine-grained RBAC for 5 user roles, Socket.IO real-time analytics dashboards, and TDD (Pytest + Jest) with Docker CI/CD at 99%+ uptime.

XEBIA — Global IT Consultancy

Gurugram, Haryana

App Engineer (Intern) | React Native, Node.js, REST APIs, NLP, Agile/Scrum

Feb 2025 – May 2025

- **Workflow Digitisation & AI Integration:** Built cross-platform (iOS/Android/Web) training management app with AI-driven NLP feedback analysis and automated calendar sync; reduced scheduling overhead 40% with projected 50%+ improvement in trainer utilisation across 200+ employees.

INT'L JOURNAL OF CONVERGENT RESEARCH

Gurugram, Haryana

SDE Intern | AWS EC2, NGINX, MySQL, SSL/TLS, Bash, Linux Administration

Aug 2024 – Jan 2025

- **Production Deployment & DevOps:** Deployed production-grade editorial platform on AWS EC2 with NGINX reverse proxy, SSL/TLS termination, and automated Bash backup/recovery; reduced editorial workload 40% and cut submission-to-review turnaround by 3 days.

SELECTED PROJECTS

- **MockStar** — AI mock interview platform with LLM rubric-based feedback, scoring, and RAG-powered question generation; **Winner, Code Xccelerate**. **Live:** mockstar.om-mishra.com | React · Flask · MongoDB · Gemini API · OAuth
- **CertSecure** — Blockchain tamper-proof credential verification with on-chain hash anchoring; **Smart India Hackathon National Winner**. **Code:** github.com/Om-Mishra7/Certsecure | Flask · MySQL · Ethereum · Web3.js · Smart Contracts
- **Projexa AI** — Co-founded multi-tenant academic platform, 10,000+ DAU (see Experience). **Live:** projexa.ai · [Google Play](#) (Android)

OPEN SOURCE & ACHIEVEMENTS

- **Open Source Contributor:** **Umami** — privacy-first, open-source web analytics platform; **freeCodeCamp** — the largest open-source coding curriculum; **WorldHistoryTimeline** — open-source interactive history visualisation.
- **Smart India Hackathon — National Winner** (Government of India, ₹1,00,000 prize): blockchain-integrated secure digital certification system.
- **Code Xccelerate — Winner** (Gateway Education, ₹1,00,000 prize): AI-powered interview simulator using LLMs and real-time analysis.

EDUCATION

K.R. MANGALAM UNIVERSITY

Gurugram, Haryana

B.Tech, Computer Science

2022 – 2026

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Go, C, C++, Java, SQL, Bash

Frontend & Mobile: React.js, Next.js, React Native, Redux, Zustand, Tailwind CSS, Chart.js, D3.js, Responsive Design

Backend: Node.js, Express.js, Gin, FastAPI, Flask, Django, REST, GraphQL, gRPC, WebSocket, Socket.IO, Celery, Scrapy, Microservices

Databases: MongoDB, PostgreSQL, MySQL, Redis, Elasticsearch, DynamoDB, Firebase Firestore, Prisma ORM

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, SQS, CloudWatch, API Gateway), GCP, Azure, Docker, Kubernetes, NGINX, Jenkins, GitHub Actions, CI/CD, Linux

AI/ML & Data: LLM Integration, RAG, Prompt Engineering, Gemini/OpenAI APIs, TensorFlow Lite, MediaPipe, On-Device Inference, NLP

Testing & Core: Jest, Pytest, TDD, E2E Testing, System Design, Distributed Systems, OOP, Agile/Scrum