

Saurabh Lohokare

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Education

Northeastern University, Boston – Master of Science in Computer Science Sep 2025 – May 2027

Relevant Coursework: Programming Design Paradigms, Database Management Systems

University of Pune, India – Bachelor of Engineering in Information Technology Jul 2019 – May 2023

Relevant Coursework: Distributed Systems, Object-Oriented Programming, Data Structures and Algorithms

Skills

Programming Languages: Python, JavaScript, TypeScript, SQL, JAVA

Web Technologies: HTML5, ReactJS, NextJS, NodeJS, Django, ExpressJS, FastAPI, Tailwind CSS, APIs, GitHub

Analytics & Reporting: Google Tag Manager, Google Analytics 4, Looker Studio, Grafana, Data Visualization

AI & Data: Hugging Face, LLMs, LangChain, RAG Pipelines, Prompt Engineering, NLP, Anomaly Detection, ChromaDB

Database & Testing: PostgreSQL, MongoDB, MySQL, R, Supabase, SQL Server, Jest

DevOps & Cloud: Docker, Kubernetes, Kafka, BigQuery, AWS, Vercel

Experience

DealerOn, Member Technical – Pune Sep 2023 – Jun 2025

- Engineered a **user tracking tool** for automotive OEM websites, leveraging TypeScript, JavaScript, Redux, Google Tag Manager, and .NET to enable **data-driven decisions** on 10+ dealership portals
- Migrated analytics from Universal Analytics to GA4 and redesigned schemas and automated reports via Looker Studio API, **streamlining workflows by 80%** and **reducing turnaround from 3 days to under 1 day**
- Orchestrated the **OEM Overnighter Program**, ensuring **on-time delivery of feature rollouts** for 10 automotive companies

Atomic Loops Pvt. Ltd, Frontend Development Intern – Pune Apr 2022 – Jul 2022

- Developed **responsive, scalable web applications** boosting **Lighthouse mobile performance to 90%**
- Implemented UIs using React.js, JavaScript, and Tailwind CSS with cross-device compatibility and integrated third-party APIs (Razorpay) to **enable secure payment workflows**

Projects

Obscenity Blocker Extension – [github/obscurity-blocker](https://github.com/obscurity-blocker) Aug 2023 – Nov 2023

- Developed a **Chrome extension** detecting **explicit content in real-time**, achieving **92% accuracy** on sample datasets
- Architected a modular **microservices system** processing **5–10 concurrent content streams** efficiently on a personal laptop

Real-Time Event Analytics Platform [github/analytix-dash](https://github.com/analytix-dash) Apr 2025 – Jun 2025

- Built a **microservices platform** for event ingestion using Kafka, Python, and PostgreSQL, handling **500–1,000 events per minute** on a single-node setup
- Deployed locally with Grafana dashboards to **monitor throughput, latency, and system uptime** on minimal resources
- Implemented simple **event pattern analysis and alerts**, detecting anomalies in **real-time for up to 10 event types** with minimal CPU/memory usage

InsightBot- AI Market Research Agent [github/insightbot-ai](https://github.com/insightbot-ai) Sept 2025 – Present

- Built an **AI-powered agent** leveraging **RAG pipelines and LLMs** to extract, summarize, and visualize market insights from financial APIs, CSVs, and news sources
- Implemented **ChromaDB vector search** with Hugging Face embeddings, enabling **context-aware retrieval** and **highly relevant insights generation**
- Designed a modern **Next.js + Tailwind dashboard** to present patterns and AI-generated reports, enhancing recruiter-facing presentation and portfolio impact