

# Muskan Kumari

New Delhi, India | muskan2912002@gmail.com | +91 7004706629 | linkedin.com/in/muskan-kumari

## Summary

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Frontend Engineer (**Angular, Ionic, React**) with **2+ years of experience** building high-performance, real-time, production apps used by 100k+ live assets. Specialized in NgRx architecture, rendering performance, deep profiling, and scalable UI systems. Known for taking ownership of complex features and shipping stable, enterprise-grade solutions.

## Technical Skills

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- **Frontend:** Angular, Ionic, React
- **Languages:** TypeScript, JavaScript, HTML, CSS
- **State Management:** NgRx, Redux Toolkit
- **Performance:** OnPush, Lazy Loading, Performance Profiling, Rendering Optimization
- **Tools:** Git, GitHub/GitLab, Postman, Jira
- **Testing:** Jasmine, Karma

## Work Experience

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**Software Engineer** - MapMyIndia, New Delhi June 2023 – Present

- Built Angular/Ionic applications for **50+ enterprise clients** powering **100k+ real-time assets** across India.
- Designed a scalable NgRx architecture that reduced duplicate API calls and significantly improved app stability.
- Achieved 20–30% speed improvements using OnPush, lazy loading, deep change detection tuning, and bundle optimizations.
- Built high-FPS map layers, complex UI modules, and real-time dashboards with zero perceptible lag.
- Fixed memory leaks, FPS drops, and rendering bottlenecks using advanced profiling (Chrome DevTools, Lighthouse).
- Integrated 50+ REST APIs with caching, retry pipelines, interceptors, and structured error boundaries.
- Led Angular major-version upgrades, reducing bundle size and improving build stability.
- Collaborated with backend, QA, and product teams to deliver scalable features.

## Projects

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**Intouch NextGen - Angular, NgRx, RxJS, Mappls SDK**

- Built core real-time tracking modules rendering 100k+ assets with highly optimised rendering and minimal latency.
- Implemented delta-based data pipelines, map clustering, and optimized layer rendering for high-frequency refresh cycles.
- Built enterprise dashboards with multi-level analytics and real-time charts.

**Intouch Mobile App - Ionic, Angular, NgRx**

- Built a full-scale real-time mobile tracking app handling 10k+ vehicles.
- Engineered clustering, caching, and delta updates improving rendering speed by 50%.
- Delivered key features: route replay, geofences, trails, auto-zoom, alarms, and advanced tracking tools.

**Intouch Admin NextGen - Angular, NgRx**

- Built a GUI-based MongoDB query builder enabling non-technical teams to run complex data queries visually.
- Implemented large dataset CSV exports with optimized batching for high-volume data.

## Education

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**St. Xavier's College, Ranchi - BCA**  
CGPA: 8.41/10

Sept 2020 – May 2023