

# Adarsh Khatri

Software Engineer

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## WORK EXPERIENCE

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### Vertex Special Technology

Software Engineer

Dec 2023 - Present

- Migrated a production Angular codebase from v16 to v18, leveraging the latest features for performance and maintainability.
- Reduced tight coupling between services by introducing signal-based communication patterns and dependency isolation.
- Eliminated unnecessary async pipes and overuse of Observables, improving runtime performance through fine-grained reactivity.
- Built robust reactive forms with dynamic validations.

## EDUCATION

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### Lovely Professional University, India

Bachelors in Computer Science Engineering

June 2020 - June 2024

### Arniko Higher Secondary School, Nepal

+2 Science

Jan 2018 - Jan 2020

## PROJECTS

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### Teleplant Doctor (React Native)

- Developed a mobile application for a global agricultural initiative with the Food and Agriculture Organization (FAO), including features like weather data and a real-time dashboard.
- Improved app performance by 30%, optimizing key features to enhance user navigation speed.
- Enhanced user workflow with a location-based feature, enabling users to find nearby agrovets and access resources more efficiently.

### Procurement and Stock Management (Angular)

- Built this system for the CAN (Cricket Association of Nepal), enhancing their procurement and inventory management processes.
- Designed and integrated features such as real-time inventory tracking, user authentication, procurement management, role-based access control, and bid comparison using Angular.
- Boosted operational efficiency and reduced manual workload, saving significant time and enhancing overall productivity by building a user interface (UI) with Angular, PrimeNG, which streamlined tasks and improved user interactions.

### Auditing Tool (Angular)

- Developed an in-house auditing tool with a simple interface for easy transaction tracking.
- Added features to save and enter transaction details, including check numbers, for better accuracy.
- Created a transaction history module for Quick access and review of past records.
- Improved efficiency and reduced time spent on manual record-keeping.

## SKILLS

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- **Frontend** : Angular, Next.js, React, WordPress, Vanilla CSS, Tailwind CSS, Framer Motion, Bootstrap, Material UI
- **Programming Languages / Backend** : Java, Node.js, Python, JavaScript, TypeScript
- **DevOps & Containerization** : Docker, CI/CD