

# PRAKRITI ADHIKARI

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## EDUCATION

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### Texas Tech University

MS Computer Science

August 2021 - May 2023

### Tribhuwan University

BS Information Management

Dec 2015 - Dec 2019

## EXPERIENCE

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### Kalika Tech

Software Engineer

Chicago, IL

June 2023 - Current

- Designed and developed real-time dashboards focusing on performance and information density.
- Analyzed and enhanced performance of UI applications using intelligent caching strategies and query optimizations.
- Developed monitoring system and pipelines for generating market data access reports.
- Managed deployments with Kubernetes ensuring zero downtime and fault-tolerant applications.
- Used React, TypeScript, SQLAlchemy

### Texas Tech University

Graduate Programmer

Lubbock, TX

August 2022 - May 2023

- Developed automation features for inhouse Employment Management Portal to streamline the employee onboarding process, effectively eliminating manual tasks that previously required 1 hour of work per new employee.
- Implemented a robust evaluation mechanism to determine employee promotability based on defined criteria and performance metrics resulting in high employee satisfaction.
- Successfully enhanced student employee rehiring and recruitment process by implementing streamlined application procedures, automated screening, and self-service options, resulting in a notable 23% reduction in HR processing time.
- Implemented a consistent design approach, utilizing standardized components throughout various pages, resulting in an improved user experience and a more visually cohesive interface.
- Used Python, Javascript, PHP, MS SQL

### Innovate Tech

Software Engineer

August 2020 - July 2021

- Created ETL pipelines to compute statistical report on students, and teachers' performance along with the schools' performance.
- Optimized SQL queries and data access patterns, reducing query execution time by 13% and improving overall system performance.
- Refactored the legacy code by using SOLID principles, resulting in increased maintainability.
- Used Node, TypeScript, Express, Python, Cron

### ITGlance

Software Engineer Intern

June 2019 - February 2020

- Developed a web application to integrate multiple web APIs for efficient tracking and analysis of Nepali Stock market trends
- Developed and deployed a real-time notification service to deliver timely and accurate updates on Nepali stock market events to users.
- Researched and evaluated the implementation of the ELK stack (Elasticsearch, Logstash, Kibana) for customized report generation and leveraged findings for enhancing data visualization and analysis.
- Used Java, SpringBoot, Angular, Python, JavaScript

## PROGRAMMING LANGUAGES AND FRAMEWORKS

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Programming Languages: Python, JavaScript, Java, SQL, PHP

Frameworks and Library: Angular, React, Express, FastAPI, Django, Spring Boot

Tools: Git, Postgres, AWS, Docker, MS SQL