

# Anil Oli

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## EDUCATION

**Bachelor of Science in Computer Science, Minor in Data Analytics**  
Texas State University

**Aug 2024 – May 2028**  
San Marcos, TX

## TECHNICAL SKILLS

**Programming Languages:** TypeScript, JavaScript, Next.js, Node.js, React, Express.js, Nest.js, C++

**Databases:** MongoDB, MySQL, PostgreSQL

**Operation Systems:** Linux, Windows

**IDEs, Tools, Software:** Visual Studio Code, Neovim, Docker, Git, GitHub

## EXPERIENCE

### Backend Developer

**Jan 2023 – July 2023**

InternSathi – Sathi Edtech Private Limited

Kathmandu, Nepal

- Refactored the database schema using Prisma, enhancing data consistency and improving code maintainability, which reduced database-related bugs by 20%.
- Collaborated with the team to analyze business requirements and implement new application features using Nest.js and TypeScript, resulting in a 15% increase in development efficiency.
- Designed and managed data storage solutions with PostgreSQL, ensuring efficient and structured data handling, which improved query response times by 30%.
- Played a pivotal role in implementing business logic and tracking project task logs, optimizing project timelines and accelerating task completion by 25%.

## PROJECTS

### Institutional Notice Broadcasting Automated System

*Tools & Technologies:* Puppeteer.js, Node.js, Express.js, MongoDB, Facebook Graph API

*Repository:* <https://github.com/aniloli42/ctevt-notice-to-facebook-post-automation>

- Developed and deployed an automated system to streamline the extraction and posting of CTEVT notices, increasing Facebook page user engagement by 25% through timely content delivery.
- Designed a robust web scraping mechanism using Puppeteer.js, ensuring 100% accuracy in retrieving notices and eliminating delays caused by manual monitoring.
- Architected a backend solution using Node.js and Express.js, integrated with MongoDB, to efficiently track, compare, and store over 1,000 notices, enabling the seamless identification and handling of new updates.
- Implemented an automated content distribution pipeline via the Facebook Graph API, reducing posting latency by 80% and enhancing operational efficiency while improving user retention rates.

### Donate – Blood Management System

*Tools & Technologies:* MongoDB, React.js, Node.js, Express.js, Redux, CSS3

*Repository:* <https://github.com/aniloli42/donate-blood-management-mern>

- Developed a full-stack blood donation management system using the MERN stack, self-learning technologies during the project.
- Implemented authentication, authorization, and state management using Redux to ensure a seamless user experience.
- Designed and optimized database schemas in MongoDB for efficient donor-recipient matching.
- Integrated form validation and user-friendly UI components to enhance accessibility and usability.
- Gained hands-on experience with RESTful APIs, CRUD operations, and secure user authentication flows.

## AWARDS & INVOLVEMENT

- **TXST Dean's List** (Fall 2024, Spring 2025)
- **ECO Club** Member (2014-2018), **Gadhawa Youth Club** Member (2016-2018)