# Rushan Tamrakar

## Software Engineer

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## Summary

Software Engineer with years of experience in developing secure, scalable web applications using PHP, Laravel, Python, and React JS. Proven history of implementing API integrations, optimizing system performance, and delivering enterprise solutions. Adept at leveraging cloud technologies and best practices to build user-centric software.

## Skills

- Backend: PHP, Laravel, Python, Flask
- Frontend: JavaScript, jQuery, React JS
- Database: SQL, TSQL
- Tools & Platforms: Git, Azure

## Experience

### Software Engineer | Hitachi Energy, Thapathali (Sep 2022 – Present)

- Implemented testcases for PHP (PHPUnit), JS (QUnit) and SQL functions (TSQLT) for old and new functions, maintaining code coverage of 80%.
- Resolved 15+ critical security vulnerabilities, reducing system risk by 40%.
- Implemented API authentication using user API keys, reducing unauthorized access incidents.
- Developed enterprise applications using Azure, ADIHA Framework, PHP, jQuery, JavaScript, TSQL, and DHTMLX, improving performance for 1,000+ users.

### Software Developer | CIBT, Kumaripati (Mar 2019 – Feb 2022)

- Built and deployed a Viber chatbot, streamlining communication for 500+ stakeholders, reducing manual response time by 50%.
- Integrated Facebook APIs for CRM applications, improving social media handling.
- Implemented third-party APIs and payment gateways (Khalti, Esewa) into Laravel applications.

### Software Developer | GAS Pvt. Ltd., Manbhawan (Dec 2020 – Mar 2021)

- Digitized 3000+ government records, reducing manual processing time.
- Automated parliamentary processes for Lumbini Province, reducing the file handling time by almost 50%.

### Technical Support (Intern & Trainee) | Proshore Nepal, Tinkune (Nov 2017 – Oct 2018)

- Supported development of WordPress plugin 'WPDating', reducing bug reports by 25%.
- Managed customer support emails, achieving a 90% resolution rate.

## Education

- M.Sc.IT in Data Analytics – Islington College, Kathmandu (Mar 2021 – 2024)
- B. Sc.IT in Computing – Islington College, Kathmandu (Mar 2015 – Sep 2018)