

Yogesh Jirel

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Professional Summary

Software Engineer with hands-on experience building web applications, REST APIs, AI-powered features, and database-driven systems. Experienced with Python, JavaScript, PHP, SQL, Docker, and Git, including practical experience developing financial reporting systems. Strong problem-solving and debugging skills, with strong interests in AI-powered applications, automation, statistics, and applied mathematics. Comfortable learning new technologies and taking ownership of features from development through deployment.

Technical Skills

Languages: Python, Javascript, SQL, PHP

Backend: FastApi, REST APIs, Laravel

Frontend: JavaScript, React, HTML, CSS

Databases: PostgreSQL, Oracle, MySQL

DevOps: Linux, Docker, Git, CI/CD

AI & Automation: AI API integration, LLM applications, AI-assisted development

Experience

Intellisoft Nepal Pvt. Ltd.

Software Developer

Remote

March 2026 – August 2026

- Developed features for a **Financial Management Information System (FMIS)** used by **Roads Board Nepal**
- Designed and implemented a **secure authentication and login system**
- Developed a financial reporting system for Roads Board Nepal using Laravel/PHP and Oracle, including configurable financial reports and balance-sheet generation
- Built database-driven reporting workflows involving financial data aggregation, fiscal-year comparisons, and configurable report structures
- Debugged and optimized backend queries and reporting logic while testing production features
- Applied secure backend development practices including input validation, access control, and protection against common web application vulnerabilities

American Institute of Technology

Software Developer (Contract)

Anamnagar, Kathmandu

Aug 2025 – Feb 2026

- Developed and maintained WordPress-based platforms serving **150k monthly users**
- Optimized front-end performance by reducing **Largest Contentful Paint (LCP)** and **render-blocking resources**, improving page load speed by **30%+**
- Implemented **custom PHP modules and WordPress plugins** to support dynamic content management
- Debugged and resolved backend and database issues involving **SQL and PHP**, improving system stability
- Integrated AI-powered functionality into the web application using external AI APIs

- Developed and maintained **education-focused web platforms** using PHP
- Designed and implemented **database-driven functionality** for academic content management.
- Integrated **third-party APIs and authentication systems** to enhance platform functionality
- Improved site accessibility and SEO structure for higher search visibility
- Led development cycles from feature implementation through testing and deployment

Projects

Just-A-RAG

- Built an early-stage working prototype exploring and experimenting on RAG pipelines, document processing, embeddings, vector retrieval and LLM-based generation.
- Currently being developed as a foundation for further experimentation.

MySahapathi

- Built and maintained a student-focused digital platform
- Integrated third-party APIs and authentication
- Owned feature development, backend logic, integrations, deployment, and technical decisions

Education

Tribhuvan University

KTM, Nepal

B.Sc.Computer Science and Information Technology

Academic requirements completed | 2026

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Software Engineering, Artificial Intelligence, Statistics

Additional

Spoken Languages: English, Nepali, Hindi

Interests: Artificial Intelligence, Statistics, Applied Mathematics, Software Engineering