



SHIVA RAM SIGDEL

📍 Godawari-03, Lalitpur, Nepal

A young, emerging mind eager to learn, achieve, and grow. Enthusiast to contribute to team success through hardwork, attention to detail, and excellent organizational skills. Motivated to learn, grow, and excel in the computer science field.

WORK EXPERIENCE

AI-BASED SOFTWARE ENGINEER || **FREELANCE** || MAY 2025 - MARCH 2026

Combined continuous learning with hands-on implementation by integrating AI capabilities into production-level web applications.

- Built backend systems using Java (Spring Boot) with AI service integration.
- Collaborated with clients to understand business needs and translate them into AI solutions.
- Integrated REST APIs, third-party AI services (OLLAMA, etc.), and data pipelines.

SOFTWARE ENGINEER || **UPWORK** || NOV 15, 2023 - APR 25, 2025

Provided backend and frontend support for stock market web platforms and APIs analyzing different business requirements.

- Developed and maintained stock data dashboards using Angular.js
- Built secure REST APIs using Java (Spring Boot) for client use.
- Integrated user login, portfolio tracking, and service modules.
- Connected APIs to deliver real-time market and company data.
- Collaborated with cross-functional teams and juniors to improve system performance.
- Used JWT for user authentication and role-based access control.
- Implemented financial data components with charting and dynamic updates.
- Utilized Git for version control and CI collaboration.

JAVA INTERNSHIP || **CITYTECH** || 21 AUG, 2023 - 4 NOV, 2023

The internship program was a 2-and-a-half-month hands-on learning experience where I gained practical knowledge in the backend using the Micronaut framework.

- Utilized Micronaut framework for building applications and microservices.
- Worked with POSTGRES & MYSQL on database integration.
- Implemented JWT (JSON Web Tokens) authentication for user authentication.
- Integrated SMTP (Simple Mail Transfer Protocol) email service for sending emails.
- Third-party API integration to enhance functionality.
- Used Git for version control.
- Learned debugging techniques to trace and fix errors.

IT ASSISTANT & DOCUMENTATION || **BISHOJYOTI HR SOLUTION** || 2019 - 2021

Two years at a Company connecting Nepalese human resources with global opportunities, where I contributed to technical & documentation roles.

- Set up and maintained the company website, including backend support and content updates.
- Translated technical processes into clear, intuitive documentation for cross-team understanding.
- Assisted in troubleshooting and refining internal documentation workflows.
- Established and optimized document management systems for faster access.
- Collaborated with cross-functional teams, reinforcing strong communication and tech coordination skills.



TECHNICAL SKILLS

- **PROGRAMMING LANGUAGES:** Java, Python, JavaScript, HTML/CSS
- **FRAMEWORKS & TOOLS:** LINUX, Micronaut, Spring Boot, JSP, JSF, AngularJS, JDBC, Git, Jquery, Postman, IntelliJ IDEA, Eclipse, VS Code.
- **DATABASE:** MySQL, PostgreSQL.
- **WEB DEVELOPMENT:** HTML, CSS, JS, React, RESTful API Development
- **AI INTEGRATION :** OPENAI, Prompt Engineering
- **SOFTWARE DEVELOPMENT:** Clean Code, Code Refactoring, Debugging, Git
- **DEVELOPMENT PRACTICES:** Agile methodology, unit testing(Mockito, JUnit) and basic CI/CD workflow.
- Good grasp of Object-Oriented Programming, Data Structures & Algorithms, and basic Design Patterns.

EDUCATION

BACHELOR'S DEGREE || **PATAN MULTIPLE CAMPUS** || 2018 - 2022

Graduated with a **Bachelor of Science in Computer Science and Information Technology** from Patan Multiple Campus, a constituent campus of Tribhuvan University (TU) with a percentage of 73.26%.

PROJECTS

SAPATIPAY || *INTERNSHIP PROJECT*

Description: A fintech microservice-based application developed to manage short-term credit transactions. Contributed to backend development using Micronaut, implemented authentication, database integration, and third-party API services to enhance system functionality and reliability.

Technologies used: Java, Micronaut Framework, AngularJS, PostgreSQL, MySQL, JWT (JSON Web Tokens), REST API, Git, Postman

ATM IMPLEMENTATION

Description: A console-based Java application simulating basic ATM functionalities such as balance inquiry, cash withdrawal, and deposit. Focused on applying object-oriented programming principles and core Java concepts.

Technologies used: Java, IntelliJ IDEA

TRAINING AND CERTIFICATIONS

- **HONOR-CERTIFICATION OF COURSERA IN JAVA PROGRAMMING : SOLVING PROBLEMS WITH SOFTWARE**
- **GREAT LEARNING APP ONLINE CERT. COURSE IN JAVA PROGRAMMING**
- **COURSERA CERTIFICATION ON LEARNING HOW TO LEARN**
- **UDEMY COURSE CERTIFICATES ON JAVA MASTERCLASS 2025 (RUNNING).**
- **UDEMY COURSE CERTIFICATES ON MACHINE LEARNING, DATA SCIENCE, DL, NLP(RUNNING).**
- **UDEMY COURSE CERTIFICATES ON AI ENGINEER CORE TRACK (RUNNING).**
- **CAREER AWARENESS KNOWLEDGE SESSION FROM SANSKRITI UNIVERSITY AT DAV COLLEGE**
- **HTML/CSS & JAVASCRIPT Training || 2016.|| ANIMAX ACADEMY**