

Prasiddha Regmi

Full Stack Web & Data Engineer

📍 Basundhara, Kathmandu

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Career Objective

Full Stack Web & Data Engineer with 3+ years of freelance experience in backend development, scalable data systems, and end-to-end application design. Skilled in **Python, Node.js, Express, MongoDB, SQL, ETL pipelines**, and **data modeling**, with hands-on experience in big data tools (**Spark, Hive**) and data science applications. Passionate about building efficient and reliable solutions, applying scraping, analytics, and automation for real-world impact.

Education

MSc Computer Science | 2023 – 2025

Sharda University, India (CGPA: 8.35)

BSc (Hons) Computer Science | 2020 – 2023

University of Wolverhampton, UK (Herald College, Nepal)

- Awarded 1st Class Honor
- 100% Scholarship Recipient for BSc in CS

Technical Skills

- **Programming & Backend:** Python, Node.js, Express, Java, C, C#
 - **Databases:** SQL, NoSQL, MongoDB, PostgreSQL
 - **Data Engineering:** ETL Pipelines, Data Modeling, PySpark, Hive
 - **Web Development:** Django, REST API, HTML, CSS, JavaScript
 - **Tools & Frameworks:** Postman, Git/GitHub, CI/CD, Web Scraping
 - **Soft Skills:** Problem Solving, Leadership, Time Management, Communication
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Experience

Software Engineer Intern (PortPro) | Aug 2025 – Present

- Built a port & terminal tracking system with Node.js, Express, and MongoDB, integrating real-time container data.
- Developed web scraping tools and tested APIs with Postman for reliable data flow.
- Supported data analysis and predictive insights to improve logistics and operations.

Freelance Full Stack & Data Engineer (Remote) | 2022 – Present

- Built and deployed scalable backend applications using Python, Django, Node.js, Express, MongoDB.
- Designed data pipelines for ETL workflows and analytics.
- Developed web scraping tools for structured/unstructured data collection.
- Created and tested APIs with Postman for integrations.

Data Science Intern (Wayspire) | Mar 2024 – May 2024

- Built machine learning models for real-world datasets.
- Applied data preprocessing, feature engineering, and visualization.
- Generated insights to support decision-making.

IT Support Intern (Herald College Kathmandu) | Jan 2022 – Dec 2022

- Provided LAN/WAN, system, and troubleshooting support.
- Assisted staff and students with Microsoft Office and technical issues.

Projects

- [Dharabijuli App](#): Python platform for booking home services.
 - [Sewa Ghar \(FYP\)](#): Django-based home service provider (similar to InDrive).
 - [Smart Car Parking System](#): Automated slot allocation & gate control.
 - [House Price Prediction \(PySpark\)](#): Forecast house prices with big data tools.
 - **Bikes Price Prediction**: Regression-based price forecasting.
 - **Image Classification (CNN)**: Identifies vegetables & fruits.
 - **Plant Disease Detection**: AI model for agricultural disease insights.
 - **E-commerce Platform**: End-to-end shopping platform with secure transactions.
 - **Tour Management System**: Booking and reservations system.
 - [Fusion Info Tek](#): Official website for a U.S.-based IT company.
 - [Early Lung Cancer Detection](#): Research + paper on AI/ML for detection.
 - [Weather App](#): Live weather updates via APIs.
 - [Gesture Control System](#): Motion-based media control.
 - **Gym Management System**: Restricted access to content post-payment.
 - [Scoreboard \(Embedded System\)](#): Automated score adjustment.
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Awards & Achievements

🏆 1st Position – Embedded System Project, Herald College Kathmandu (2022)

🎓 AAA Scholarship – Full B.Sc. in Computer Science Program