Prasiddha Regmi

Full Stack Web & Data Engineer

📍 Banasthali, Kathmandu

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Career Objective

AI-focused Full Stack Web & Data Engineer with 3+ years of experience designing scalable backend systems, data pipelines, and AI-powered applications. Strong expertise in Python, Node.js, Django, Express, SQL/NoSQL, and machine learning workflows, with hands-on experience in big data tools (PySpark, Hive) and AI automation (n8n, Google AI SDK). Proven ability to build intelligent, data-driven systems through ETL pipelines, predictive modeling, web scraping, and analytics. Passionate problem-solver committed to delivering efficient, reliable, and impactful solutions.

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

- **AI & Data Engineering:** Machine Learning, Deep Learning, Data Science, ETL Pipelines, Data Modeling, Google ADK, N8N
- **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 (PortPro) | Dec 2025 – Present

- Architected and optimized a port & terminal tracking platform using Node.js, Express, and MongoDB.
- Designed high-reliability data pipelines and automated EDI mappings using Orderful.
- Built AI-driven backend automation agents with Google AI SDK and n8n, enabling intelligent workflow orchestration and rule-based decision-making.
- Contributed to data analysis and predictive modeling, improving container visibility and appointment accuracy across logistics operations.

Software Engineer Intern (PortPro) | Aug 2025 – Nov 2025

- Enhanced backend services for real-time container tracking using Node.js, Express, and MongoDB.
- Developed web scrapers, API integrations, and EDI mappings.
- Implemented workflow automations using n8n and AI agents to streamline internal operations.
- Supported analytics initiatives to extract actionable insights from logistics data.

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

- Built and deployed scalable backend applications using Python, Django, Node.js, Express, MongoDB.
- 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.

Awards & Achievements

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

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