

SANTOSH SHRESTHA

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TECHNICAL SKILLS

- **Programming Languages:** Java, C, C#, MATLAB, Python (Pandas, NumPy, scikit-learn, TensorFlow), JavaScript (ES6+)
- **Full-Stack Web Development:** WAMP (PHP, MySQL), MERN (MongoDB, Express, React, Node), .NET, REST API Design
- **DevOps & Cloud:** Git/GitHub, Docker and Kubernetes
- **Data Structures & Algorithms:** 26 medium, 16 easy problems in Leetcode
- **Machine & Deep Learning:** Experience with Haar Cascade, HOG, Random Forest, and neural network architectures
- **Soft Skills:** Team collaboration, effective communication, problem-solving, and adaptability under pressure

PROJECTS

- **Face Authentication Attendance System** (PHP, FastAPI, MySQL, Haar Cascade) | Rustam-Shrestha/snapattendance_reengineered
Full-stack biometric system with 95% recognition accuracy using Haar Cascade and Random Forest. Optimized queries for 30% lower latency.
- **Duplicate Question Detector** (Streamlit, NLP, Random Forest/XGBoost) | Rustam-Shrestha/quora_lexical_duplicate_classifier
Streamlit classifier achieving 72% accuracy using token features, substring ratios, and fuzzy matching.
- **Falodhyam E-commerce** (PHP, MySQL) | Rustam-Shrestha/falodhyam
Scalable platform with role-based access, CRUD, cart, wishlist, and stock management.
- **Digital Mandu Food Ordering** (MERN, Khalti, WebSockets) | Rustam-Shrestha/DigitalMandu
Responsive app with secure payments and real-time tracking. Focused on intuitive UI/UX.
- **Chatopia Real-time Chat** (MERN, WebSockets) | Rustam-Shrestha/chatopia
Supports 100+ concurrent users with JWT auth and Zustand state management for fast, animated UI.

EXPERIENCE

- **Full-Stack Developer (ERP Systems)** | Saurabh Group of IT – Sarbottam & Laxmi Steels (Dec 2025 – Present)
Building ERP features with React.js frontend and PHP/Node.js backend; optimizing database queries.
- **Full-Stack Developer** | Saurabh Group of IT – Sarbottam & Laxmi Steels (Apr–Jul 2025)
Developed steel logistics backend in PHP with MySQL (500K+ records). Improved query performance 35%, reduced API latency 20%. Built authenticated ERP workflows with a team of 2 using Docker.

CERTIFICATIONS

- Internship Certificate - Laxmi Steels Ltd.
- Math for Machine Learning (Udemy)
- Feature Engineering for Machine Learning in Python (DataCamp)
- Extreme Gradient Boosting with XGBoost (DataCamp)
- Introduction to Deep Learning with PyTorch (DataCamp)
- Intermediate Deep Learning with PyTorch (DataCamp)
- Explainable AI with SHAP and LIME (DataCamp)
- MLOps Fundamentals (DataCamp)
- Full-Stack Web Development (YouAccel)
- Web Designing (Global IT)

EDUCATION

- **Bachelor in Computer Application** | Saraswati Multiple Campus (2022 – Ongoing)
Key Courses: Data Structures & Algorithms, OOP in Java, Database Management, Cloud Computing, Software Engineering, Web Technology, Operating Systems, .NET Technology
- **Grade XII (Computer Science)** | Saraswati Boarding School (2078) – CGPA: 2.81
- **Grade X (SEE)** | Canvas Basanta Ritu School (2075) – GPA: 3.1

REFERENCES

- Mr. Deepak Poudel - Deputy Head of BCA at Saraswati Multiple Campus: +977 9863382689
- Mr. Santosh Baral - Internship Mentor: +977 9802266549
- Er. Manoj Giri - Project Supervisor: +977 9851318631
- Mr. Shree Acharya - System Evaluator: +977 9802266522
- Mr. Sabin Khanal - Mentor: +977 9863180880
- Mr. Ram Sharma Bhattarai - CEO Jyrasoft: +977 9848914876