
SANTOSH SHRESTHA

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SUMMARY

Backend Developer with foundational experience in Python and Django. Exploring React and Django REST to build interactive and scalable web applications. Strong ability to design and implement effective backend solutions while integrating modern technologies to enhance performance. Dedicated to using new tools and best practices to create high-quality, reliable web applications.

EDUCATION

Bachelor of Science in Computer Science & Information Technology - Tribhuvan University, Nepal 2019-2024
Birendra Memorial College - Dharan, Nepal

Intermediate Level – National Examination Board 2017-2019
Damak Multiple Campus - Damak, Nepal

SKILLS

Technical Skills	Django, Python, HTML, CSS, JavaScript, React, MySQL, Git (GitHub)
Soft Skills	Photography, Video Editing, Graphic Design

EXPERIENCE

Django Developer Rivia Infosys Pvt. Ltd. (Internship/Trainee)	2024-2025 Kathmandu, Nepal
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- Built scalable multi-tenant applications with Django and implemented Role-Based Access Control (RBAC).
- Supported CI/CD processes by managing code pushes and monitoring automated deployments.
- Developed custom middleware for authentication and authorization handling.
- Provided daily task updates, conducted client demonstrations, and collected feedback and requirements for ongoing project development.
- Handled PostgreSQL database configurations, enabling dynamic environment detection and seamless switching between development, staging, and production setups.

Backend Developer Prooey Pvt. Ltd. (Internship)	2024 Kathmandu, Nepal
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- Developed and optimized server-side applications to enhance functionality, performance, and scalability across various projects.
- Facilitated effective communication within the development team, participating in regular meetings to discuss progress, challenges, and solutions.
- Designed and implemented backend systems, ensuring smooth and efficient integration with front-end components and external services.

Hackathon Participant	June, 2024
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- Collaborated with a team to develop innovative solutions within a time-constrained environment, showcasing creativity and technical skills.
- Designed and implemented key features using Django and React, enhancing functionality and user experience.
- Engaged in problem-solving and iterative development, adapting quickly to feedback and new requirements.

Vice-President

2022-2023

CSIT Association of Nepal – Purwanchal

Purwanchal, Nepal

- Coordinated and led association meetings, ensuring smooth communication and effective decision-making among members.
- Assisted in organizing and overseeing events and workshops to enhance the skills and knowledge of CSIT students in the region.
- Supported the President in strategic planning and implementation of association initiatives and goals.

PROJECTS

Inventory Management system (Garage) | Django, Material CSS, Bootstrap

- Developed a multi-tenant garage management system using Django and PostgreSQL that handles inventory tracking, point-of-sale transactions, and vehicle service management. Implemented **RBAC** to enforce role-specific permissions (Admin, Technician, Cashier) and schema-based data isolation for multi-branch operations. The system features automated customer notifications (system notifications/email) for service completion and real-time inventory updates through an integrated POS module.

Portfolio | React, Tailwind CSS | [Live Dashboard](#)

- Designed and developed a personal portfolio website using React, showcasing skills, projects, and experience. Integrated responsive design principles with Tailwind CSS for seamless functionality across devices.

Diabetes Predictions System | Django, ML | [GitHub Repository](#)

- Developed a diabetes classification system using the Pima Indians Diabetes Dataset to predict the likelihood of diabetes. Implemented and compared Multi-Layer Perceptron (MLP) and XGBoost algorithms for efficient and accurate classification. Integrated a Django-based web interface for user-friendly data input and real-time prediction display.

WORKSHOP/SEMINAR/TRAINING

- **Aurdino Training** (7 days workshop) held in Birendra Memorial College, Dharan.
- **MongoDB Training** (14 days workshop) held in Birendra Memorial College, Dharan.
- Participated in **Effective Public Speaking Training** organized by JCI Dharan.
- **Python, Django, and Machine Learning Training** (1-month workshop) held in Birendra Memorial College, Dharan.
- Participated in the **Regional Conference on Science and Tech** organized by the Central Campus of Technology.
- **Professional Ethical Hacking Training** course completed in CodeIT Pvt. Ltd.