Sita Thapa
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Objective

A highly skilled and passionate **Django Developer** with over **2+ years of experience** in designing, developing, and maintaining dynamic web applications. Seeking to contribute my expertise in **Python**, **Django**, and **front-end technologies** to **enhance academic management systems** at **PCPS College**. I aim to deliver scalable, efficient, and user-friendly applications while leveraging my skills in full-stack development and collaboration.

Skills
- **Programming Languages**: Python, JavaScript, TypeScript
- **Web Development**: Django, React JS, HTML5, CSS3, Bootstrap, jQuery
- **Databases**: PostgreSQL, MySQL, SQLite
- **Version Control**: Git, GitHub, GitLab
- **Front-End Development**: React JS, HTML5, CSS3, JavaScript (ES6+), Bootstrap, Tailwind CSS
- **Tools**: Docker, Postman, JIRA, VS Code, PyCharm
- **Other**: RESTful APIs, GraphQL, Agile Development, Test-Driven Development (TDD)
- **Development Methodologies**: Agile, Scrum
- **Cloud Platforms**: Heroku, AWS (EC2, RDS, S3)
- **Authentication & Authorization**: OAuth2, JWT, Django Allauth

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Education
Bachelor's in Computer Science
XYZ University, Kathmandu, Nepal
Graduated: 2021

Experience
Django Developer
Tech Solutions Pvt. Ltd. – Kathmandu, Nepal
July 2021 – Present
- **Designed and developed** scalable web applications using **Django** and **Python**, contributing to projects that improved operational efficiencies.
- Implemented **user authentication** and **authorization systems** using **Django Allauth** and **JWT** for secure login functionalities.
- Developed **dynamic, responsive front-end interfaces** using **React JS**, **JavaScript**, **HTML5**, **CSS3**, and **Bootstrap**, enhancing user experience.
- Integrated **RESTful APIs** for seamless communication between the front-end and back-end, ensuring smooth data flow.
- Managed and optimized databases (PostgreSQL and MySQL), improving query performance and database reliability.
- Used **Git** and **GitHub** for version control and team collaboration, promoting best practices in code management.
- Led code reviews, collaborated with cross-functional teams, and followed **Agile methodologies** to ensure timely project delivery.

- Participated in the **full software development lifecycle**, including requirement gathering, design, development, testing, and deployment.

Key Achievements:
- Reduced application load time by 30% by optimizing back-end logic and database queries.
- Integrated a **real-time notification system** into the LMS platform, improving user interaction.
- Led the **deployment of web applications** on **AWS EC2** and **Heroku**, streamlining continuous deployment and integration processes.

Projects

Online Learning Management System (LMS)
- Developed a comprehensive, web-based **Learning Management System** using **Django** to facilitate online courses.
- Implemented user **authentication**, **course creation**, **grading functionalities**, and a **dynamic dashboard** for students and faculty.
- Designed and integrated a **notification system** using **WebSockets** for real-time updates.
- Managed student, faculty, and course data through **PostgreSQL**, ensuring efficient data handling.

Job Portal Platform
- Developed a job portal that allowed candidates to apply for job listings while allowing HRs to post and manage job openings.
- Integrated a **job recommendation system** based on user skills using **cosine similarity** for optimized candidate-job matches.
- Implemented a **CV grading system** for HRs using machine learning techniques to evaluate candidate profiles.

Certifications
- **Python for Web Development** – Udemy
- **Django for Beginners** – Coursera
- **Advanced Django** – Real Python
- **React JS: The Complete Guide** – Udemy
- **AWS Certified Developer** – Amazon Web Services

Languages
- **Nepali** (Native)
- **English** (Fluent, IELTS Band 7)