# Ramesh Kumar Sah

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## **OBJECTIVES**

I'm Ramesh Kumar Sah, and Being a BSc Computer Science and Software Engineering graduate with experience in React.js, Laravel, Django(django-rest-framework), and Python. I am seeking a full-stack developer role and have experience building web applications. I am also interested in AI/ML engineering and have experience with TensorFlow, Keras, Scikit-learn, numpy , seaborn, vdata-profilling, pandas, metplotlib, OpenCV and BeautifulSoup. Additionally, I have also good knowledge of DevOps engineering and have experience with AWS, Terraform, Ansible, Docker, Kubernetes, Git, GitHub, Cheff, Nignx, Tomcat, Shell Scripting, and Jenkins. I am also skilled in developing mobile applications using Flutter and also pursuing roles as an AWS Cloud Practitioner.

### **EDUCATION**

Patan College for Profesional Studies affiliated to University Of Bedfordshire Bsc Computer Science and Software Engineering - CGPA - onProgress

2022 - 2025

Lalitpur, Nepal

Shikshadeep Higher Secondary School

2019 - 2021

National Examination Board(NEB) - Intermediate / +12th - GPA - 2.95

Morang(Biratnager), Nepal

#### EXPERIENCE

# Patan Colleg For Professional Studies (PCPS) Full Stack Developer — React.js and Laravel

April 2024 – Present

Kupondole, Lalitpur, Nepal

- Developed and maintained full-stack applications using Laravel (backend) and React. is (frontend), including RESTful APIs for seamless data exchange.
- Proficient in all phases of the software development lifecycle, from requirements analysis and database design to implementation, testing, and deployment.
- Experienced in database design and migration, ensuring data integrity and efficient database management.
- Collaborated effectively with cross-functional teams to deliver high-quality software solutions that meet business requirements.
- Conducted thorough requirements analysis to ensure clear understanding of business needs and objectives.
- Implemented robust and scalable database architectures to support application performance and reliability.
- Performed comprehensive testing and debugging to ensure high-quality code and optimal application performance.
- Strong understanding of object-oriented programming principles and best practices.
- Passionate about learning and adopting new technologies to enhance development processes and deliver innovative solutions.
- Worked as part of a Research and Development team to explore new technologies, improve existing processes, and innovate new solutions to enhance product capabilities.

# Easy Software Full Stack Python Developer — React. is and Diango

June 2023 – Feb 2024

- Building full-stack web applications using Diango and React. is.
- Creating RESTful APIs with Django Rest Framework.
- Integrating frontend code with APIs.
- Managing databases and ensuring security and scalability.
- Troubleshooting and debugging issues, implementing best practices, and continuously optimizing and improving the codebase.
- Deploying applications using Docker and Kubernetes.
- Setting up continuous integration and delivery pipelines with Jenkins.
- Managing servers on AWS.
- Using tools like Ansible and GitHub for configuration management and version control.
- Configuring and managing NGINX and Tomcat for web server and application server needs.
- Using Terraform for infrastructure as code and managing cloud resources.

 $Kalimati,\ Kathmandu\ ,\ Nepal$ 

# **SKILLS**

Python: Numpy, Pandas, Matplotlib, Seaborn, Flask, Django Rest Framework, TensorFlow, Keras, PyTorch,

Scikit-learn, PyCharm, Jupyter Notebook, RabbitMQ, OpenCV,pip, conda. **Developer Tools:** VS Code, Android Studio, IntelliJ Idea Ultimate

Programming Languages: Python, PHP, JavaScript, Java, CSharp .net, HTML, CSS, Dart, SQL.

Backend Technology: Django(django-rest-framework), Laravel

Fontend Technology: React.js, HTML, CSS, Bootstrap, Tailwind, JQuery,

Mobile Application Development: Flutter, MVC, RestAPI Integration, MVVM architecture, Getx

StateManagement.

Databases: Firebase, SQL, MySQL, Oracle, PostgreSQL, MongoDB, Redis, SQL-Server.

Operating Systems: Windows, Linux (Unix)

Networking: CCNA

Cloud Computing Platforms: AWS

DevOps: Git, GitHub, Jira, Jenkins (CI/CD), Chef, Ansible, Terraform, Docker, Kubernetes, Grafana, Zoom,

Maven, Gradle, Postman, GitLab, Shell Scripting, Tomcat, Nginx, SonarQube.

Design and Documentation: UML Design, System(Application) Design and Documentation, Figma, Canva

## CERTIFICATIONS

Python Essentials 1 🗷 : Cisco Introduction to Data Science 🗷 : Cisco

Python Essentials 2 🗷 : Cisco Business Analysis Using Spreadsheets 🗷 : Coursera

JavaScript Essentials 1 🗗 : Cisco CCNA(Introduction to Networks) 🗗 : Cisco

JavaScript Essentials 2 🗹 : Cisco Excel For Data Analysis 🗹 : Great Learning

Generative AI Fundamentals ☑: Google Introduction to Generative AI ☑: Google

Introduction to Responsible AI 🗷 : Google Introduction to Large Language Models 🗷 : Google

AWS Academy Graduate 2: AWS Object-Oriented Programming with Java 2: Coursera

AWS Fundamentals Specialization 🗷 : Coursera Prompt Engineering 🗗 : Coursera

DevOps ♂: IBM AWS Cloud Technical Essentials ♂: Coursera

AWS-Addressing Security Risk 🗷 : Coursera Migrating to the AWS Cloud 🗗 : Coursera

AWS-Building Serverless Applications 🗹 : Coursera Programming with Java 🗹 : Coursera

# **PROJECTS**

E-Commerce Web-Application 🗷 | Backend Django(drf) and Fontend React.js

- Conducted thorough requirements analysis to understand the project scope, user needs, and functional specifications.
- Designed and implemented a relational database schema using PostgreSQL, ensuring data integrity and efficient data retrieval. Integrated the database with Django to store and manage data.
- Built a comprehensive web application using Django REST Framework (DRF) for the backend API and React.js for the interactive frontend user interface.
- Implemented a robust RESTful API using DRF to handle data requests and responses between the frontend and backend, ensuring efficient data exchange.
- Developed a user-friendly and responsive frontend using React.js, leveraging components and state management for a dynamic and interactive user experience.
- Designed and implemented a role-based access control system to cater to the specific needs of admin, staff, and user, ensuring appropriate access and permissions for each user type.
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