

# RUPESH KUMAR YADAV

Software Development ~ Backend Developer

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## SUMMARY

With a strong passion for technology and software development, I am motivated to explore the fascinating world of innovative solutions. Equipped with proficient programming skills in Python, Django, Web Services, Databases, and React, I strive forward to augment my capabilities in being able to make a meaningful difference. I am highly motivated and self-driven, looking forward to pioneering advancements and driving success.

## SKILLS

**Languages:** Python, Java, SQL, JavaScript, C++, C.

**Technologies:** Django, Java, Spring, React, Docker, MVT, Git, Tensorflow, Firebase, Webflow, Figma, Postman/Thunder Client, Celery, Swagger, Rest Framework, Redis, Render, Neon

**Databases:** Postgres, MySql

## PROJECTS

Django  
Figma  
Postgres

### GokapinnoTech

github.com/rupeshadhikari201/GIT

- Utilized Figma to craft a sleek and minimalist landing page design.
- Developed the backend infrastructure using Django and its REST framework.
- Designed RESTful APIs to interact seamlessly with a Postgres database and the client interface. Performed API testing with Postman.
- Implemented security measures by employing Django's JSON Web Token Authentication to secure the APIs.
- Integrated Celery and Celery Beat to schedule notifications sending.
- Successfully deployed both the Django web server and the database on Render Cloud.

Tensorflow  
Streamlit  
Huggingface

### Image Classification using ResNet

huggingface.co/spaces/Rupex007/ImageClassifier

- Utilized ResNet152V2 architecture on Animal10 dataset.
- Enhanced accuracy and data quality by applying data augmentation techniques.
- Overcame overfitting by incorporating dropout connections.
- Created a user-friendly interface using Streamlit, to allow users to upload image.
- Deployed the model on Hugging Face Spaces, making it accessible to users for real-time classification tasks.

React  
MaterialUI  
Firebase

### NGO Website

https://wcwc-8f8f7.web.app

- Designed user-friendly interface with Figma.
- Developed frontend with ReactJS, leveraging state management for smooth interaction and Utilized MaterialUI for rapid UI implementation.
- Hosted the site on Firebase.

Machine Learning  
NLP  
Streamlit

### Movie Recommendation System

https://huggingface.co/spaces/Rupex007/MovieRecommendationSystem

- Implemented a content-based movie recommendation system utilizing machine learning algorithms.
- Recommends movies based on content attributes, employing natural language processing techniques.
- Deployed the system on Hugging Face Spaces.

## EDUCATION

08/2021 - Present **Chandigarh University, Mohali, Punjab**

Undergraduate Studies

Bachelor's in Computer Science with specialization in Artificial Intelligence and Machine learning in collaboration with IBM.

2018- 2020

**Triton International College, Subidhanagar, Kathmandu**

Intermediate in Science

Intermediate in Science with PCM (Physics, Chemistry and Mathematics).

2015 - 2018

**Kalpavriksha Secondary English Boarding School,**

School

Completed My Secondary Education from grade 8 to 10 with excellent grades.

EXPERIENCE

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07/08/2023 06/11/2023	<b>-FullStack Development Intern</b> <div>EDXL</div> <ul style="list-style-type: none"><li>• Revamped company website through redesign process using Figma, focusing on enhancing user experience and visual appeal.</li><li>• Developed redesigned website using React.js and Bootstrap, ensuring responsiveness and modern design standards.</li><li>• Led a team of 5 interns, overseeing their tasks, providing guidance, and fostering collaboration.</li><li>• Implemented strategic planning and goal-setting to achieve project milestones and enhance user experience.</li><li>• Cultivated a positive and inclusive work environment, where all team members feel valued, respected, and empowered.</li></ul>
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CERTIFICATIONS

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April-19, 2024	<b>Advance Machine Learning on Cloud</b> <div>Coursera</div> <ul style="list-style-type: none"><li>• Hands-on experience in optimizing, deploying, and scaling production ML models of various types.</li><li>• Covered building scalable, accurate, and production-ready models for structured data, image data, time-series, and natural language text.</li><li>• Ended with a course on building recommendation systems.</li></ul>
Dec-19, 2023	<b>Web Application Technologies and Django</b> <div>Coursera</div> <ul style="list-style-type: none"><li>• The course covers the fundamentals of Django, request-response cycle and MVT architecture.</li><li>• It also provides hands-on activities on Database Integration and Object Relational Mapping.</li><li>• Other various concepts like form handling, User Authentication are discussed. All the activities are conducted on Linux based environment named Python Anywhere.</li></ul>
May-21, 2022	<b>HTML, CSS, and Javascript for Web Developers</b> <div>Coursera</div> <ul style="list-style-type: none"><li>• This comprehensive course equipped me with the essential skills for front-end web development.</li><li>• Through hands-on projects and practical exercises, I gained proficiency in creating responsive and visually appealing web applications.</li></ul>

LANGUAGES

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**English** - fluent, **Nepali** - native, **Hindi** - fluent