

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, Flask, 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

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

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

LANGUAGES

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