Sandip Shrestha

Web Developer

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GitHub | Linkedin

EDUCATION

TRIBHUWAN UNIVERSITY
Bachelor in Electronics and Inormation engineering

2019 - 2024
Kathmandu, Nepal

NEW CAPITAL COLLEGE
Science +2
GPA: 3.53

2017 - 2019
Ratnanagar, Chitwan

EXPERIENCE

VELOX LABS | Software Developer Internship   New Baneshowr, Kathmandu | May 2024 – Aug 2024

Hajir Employer Dashboard
- Implemented Features: Company CRUD operations, Employee Attendance and Location Tracking, Leave and Overtime Requests, Global Leave Management, Performance Reports.
- Developed Additional Features: Standup and Prosper Reporting, Missing Leave and Attendance Management, Approver Functionality.
- Technologies Used: Next.js, Material UI, RTK Query.

Hajir Blog Management System
- Implemented Features: User Registration, JWT Authentication, Template, Category, Subcategory, and Blog Management.
- Backend Technologies: MySQL, Express.js, Sequelize.
- Frontend Technologies: React.js, Tailwind CSS.
- Additional Work: Enabled dynamic display of approved blogs on the Hajir Landing Page.

Hajir Landing Page
- Developed multilevel responsive Navbar, Home, About, and Contact sections.
- Technologies Used: Next.js, Tailwind CSS.

SKILLS

Programming Languages	Javascript, Typescript, Python, C, C++
Libraries/Frameworks	React, Next.js, Express.js, Node.js, TailwindCSS, Material UI, Shadcn
Tools / Platforms	Git, Cloudinary, Prisma, Sequelize, Mongoose
Databases	MongoDB, MySQL, Postgresql

PROJECTS / OPEN-SOURCE

QUIZU | Link   Next.js, Express.js, TailwindCSS, MongoDB, Node.js, Material UI
- Developed a responsive web application for online quiz exams, including user registration, JWT authentication, and exam management.
- Integrated an Admin Dashboard to add categories, create quizzes, and manage questions.
- Implemented features for exam-taking, score tracking, and feedback on correct/incorrect answers.
- Utilized Next.js, Tailwind CSS, and API integration for frontend development.
- Used Express.js for the backend and MongoDB for Database.
- Employed Next.js and Material UI for the Admin Dashboard.

- Integrated sections for educational resources such as books and news.
- Implemented a leaderboard to display the top 3 scorers.

HOSPITAL MANAGEMENT SYSTEM | Link   React.js, Node.js, Express.js, MongoDB

- Healthcare Web Application utilizing MERN stack (MongoDB, Express.js, React.js, Node.js), facilitate seamless interaction between patients and healthcare providers.
- Implemented user authentication for secure registration and login functionalities.
- Enabled patients to schedule appointments and communicate via messaging system.
- Designed a dashboard accessible to administrators, offering features such as adding new administrators, managing doctors, and overseeing patient messages and appointment status.

ESTATE APP | Link   Express.js, React.js, MongoDB, Prisma

Estate app provide user to explore properties with advanced search filters to find properties.
- User registration and authentication with secure login.
- Advanced search filters for location, price range, and property type.
- Interactive maps to view property locations
- Favorites and wish list feature for saving preferred properties.
- user can add property with all details and update their profile

BIRD-CLASSIFICATION-USING-DEEP-LEARNING | Link   CNN, Django, Tailwind CSS, MySQL

- Developed a deep learning model to accurately classify endangered bird species in Nepal.
- Utilized convolutional neural networks (CNNs) for image classification.
- Collected and preprocessed a diverse dataset of bird images from ebird.org.
- Achieved an accuracy of 88.23% and a validation accuracy of 89.855% on the training set.
- Recorded a loss of 0.4789 and a validation loss of 0.4406.
- Achieved a weighted F1-score of 0.9084.
- Implemented the model using Python, TensorFlow, and Keras.
- Evaluated model performance using precision, recall, and F1-score metrics.

CERTIFICATIONS

- Convolutional Neural Networks - Coursera
- Supervised Machine Learning: Regression and Classification - coursera
- Advanced Learning Algorithms - Corusera