Roshan Chaudhary

Fullstack Web developer

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Education

IOE Purwanchal Campus, Bachelors in computer Engineering   Aug, 2020 - Present

Projects

SpeakPix (Application for Autistic, dyslexic and people with learning issues)

- Developed a interactive mobile application for people with autism , dyslexia and learning issues to help them in social interaction and communication.
- A person can choose any scenario like home and click on the images through which he wants to convey a message and once the sentence like: "I want Ice cream" is completed , it is converted into voice
- Used React Native as a cross-platform application in mobile as well , ask for backend , NLP for next word prediction with respective image increasing the efficiency of communication.

VirtualSathi (virtual portal of mental health for the well-being of Students)

- Developed backend for VirtualSathi application focusing on mental health and well-being for students
- Implemented RESTful APIs using Node.js and Express.js, integrated MySQL with Prisma ORM, and utilized Avien services
- Won the best futuristic implementatioin category at IICQUEST with this project.
- github: github.com/YuneshShrestha/momo.coders

AccountBook

- Created an account keeper app to record customer expenses for shops and hotels.
- Developed using the MERN stack (MongoDB, Express.js, React, Node.js).
- github: github.com/Roshanchau/AccountBook

NASA Space App(Wildre Challenge):-Wildre prediction

- Developed a wildfire prediction app utilizing NASA data, deploying a model via Flask where users input coordinates on a Leaflet JS map to accurately forecast wildfires in Nepal's regions.

Quantum tic-tac-toe

- Developed a quantum tic-tac-toe to visualize superposition and entanglement using different qunatum gates like c-not gate for our minor project.
- Used python libray called qiskit.
- github: github.com/Roshanchau/quantum

Achievements

Winner ofthe BEST FUTURISTIC IMPLEMENTATION in the IICQUEST 2024
1'st Runner Up at Hackathon organized by ACES Techfest 5.0
Local level NASA Space Apps winner

Technical Skills

Frontend: Javascirpt, React , Next , Tailwind CSS ,Redux, Zustand , React Native
Backend: NodeJs, Express , Flask
Database: MongoDB, MySQL ,Prisma ORM , Firebase , Redis, graphQL
Other: NGINX , Python , C++(OOP) ,Git , Docker