Aditya Negi

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Education

Graphic Era Hill University, Dehradun *2020 – 2024*
Bachelor of Technology (B.Tech) in Computer Science Engineering ***CGPA: 8.53***

Baluni Public School, Dehradun, Uttarakhand *2019 – 2020*
CBSE, Higher Secondary XII ***87.2 %***

Baluni Public School, Dehradun, Uttarakhand *2017 – 2018*
CBSE, Secondary X ***90.8 %***

Work Experience

Qriocity - Web Development Intern | Remote *September 2023 - May 2024*

- Revamped the company website to increase leads generation by **40%**.
- Successfully implemented a central Content Management System to publish Blogs directly to the main website and view the received client Information using **MERN** stack.
- Developed and worked on various client's and internal projects with an increased project completion rate of **25%**.

Projects (Available on Github)

Portfolio Website | ***Typescript, Next.js, Framer Motion*** March 2024

ChatMates | ***Chat Application, Typescript, Next.js, MySQL, Prisma, Tailwind css*** March 2024

- Developed a comprehensive chat application featuring one-on-one communication and group chat using real-time sockets.
- Utilized MySQL and Prisma ORM for efficient and scalable data management.
- Ensured Data Integrity using **Zod Validation** and Authentication using **Clerk** along with Live video-calling and voice chat using LiveKit
- Provided Message updation and deletion, media uploads (images, pdfs, videos) using UploadThing.

RideShare - a ride sharing platform | ***React.js, Express.js, MongoDB, Mapbox API*** February 2024

- Built a modern Ride sharing platform using MERN stack with sleek design.
- Integrated **Mapbox API** to provide users with search query suggestions, route visualization from source to destination, and live location tracking.
- Implemented full-stack features including ride history storage, ride posting, and user verification through driving license and live photo capturing.
- Designed an admin panel for reviewing and approving verification requests, enhancing platform security and reliability. Stored images on server using **Multer**.

Hotello - Hotel booking website | ***React.js, Express.js, MongoDB, Razorpay API*** July 2023

- Developed a comprehensive hotel booking platform using the MERN stack for seamless user experience.
- Implemented **Redux Toolkit** for efficient state management, ensuring persistent state.
- Integrated **Razorpay Payment Gateway** to enable secure and hassle-free transactions, enhancing user trust.
- Fetched hotel details from external REST APIs to provide real-time and accurate information.

BreatheWell - Lung Disease Prediction | ***CNN, Tensorflow, Computer Vision, Docker, Kubernetes*** October 2023

- Trained Convolutional Neural Network (CNN) models on a combined dataset sourced from Kaggle to predict lung diseases from X-ray images, achieving a high accuracy of **94%**.
- Implemented DevOps practices using **Docker** and **Kubernetes** for seamless deployment on Google Cloud Platform, ensuring scalability and efficient resource management.
- Developed a user-friendly web interface to allow users to upload X-ray images and receive instant predictions, enhancing accessibility and usability.

Skills and Interests

Languages: C, C++, Javascript
Technologies: Web Development, React.js, Express.js, node.js, MongoDB, MySql, Next.js, Redux Toolkit
Developer Tools: Git/Github, VS Code, ThunderClient,
Soft skills: Communication, Team work

Achievements

Research Paper | **Project Demo** | *May 2024*

- Published a research paper on API Documentation Generation using **Generative AI**
- Fine Tuned a pre-trained llm model - **Llama-2-7B-bf16-sharded**
- Developed a website using streamlit to provide users with intuitive UI and makes the creation of API documentation easier.

Explore AI 2.0 Hackathon , by Yamaha | **Project Link** | *April 2023*

- Won **Most Optimal Solution** Prize by building a fake point generation application utilizing cloud point dataset.
- Implemented Regression techniques to generate fake points and provided frontend in streamlit.