NIRVAN BAJRACHARYA

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ABOUT ME

Specializing in Frontend Development and Data Analysis, and keen on transitioning into an AI Engineer. A skilled programmer with expertise in Python and JavaScript, and is dedicated to continuous learning and advancing their knowledge in the field of computer science. Additionally, possess a creative flair, and excellence in Illustrations and UI/UX design. Known for being a quick learner, with strong analytical skills and attention to detail in debugging and optimizing code.

EDUCATION

Bachelor of Science in Computer Science   October 2020 - June 2023

University of West London **(First Class Honors)**

Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence, Databases and Analytics, Applied Software Engineering

EXPERIENCE

Falcon Hackathon   July 2024 - August 2024

Frontend Developer

- Worked with a team of 6 people to create Story Wise
- Developed the project with Git for version control

Geekle Hackathon   July 2024 - August 2024

Frontend Developer & QA Tester

- 1st Place Winner in Geekle Hackathon Phase 2: Solution Mapper
- Worked with a team of 10 people to create a Diagram Solution Mapper using React Flow
- Created tests for Claude AI to generate Mermaid Diagram from user inputs

TCR Innovation   Sept - Nov 2022

Data Analyst Intern

- Learned Data processing methods in Python
- To train Machine Learning models

MindChamps   2020 - 2021

Illustrator and Web Designer (Internship)

- Tasked to make illustrations for their blog posts
- Created pages of their website
- Designed their current logo

TECHNICAL EXPERTISE

Programming: Python, Javascript, HTML/CSS, C++, C#, Java
Frameworks: React, Tailwind, Next.js, NodeJS, React Native, Flask, Tkinter, Pygame, OpenCV, JQuery
Databases: Oracle/SQL, MongoDB
Data Analytics: Excel, Microsoft PowerBI, Jupyter Notebook, Pandas, Numpy, Matplotlib
Others: Photoshop, Illustrator, Blender, Figma, Office 365, Git, Linux, Wordpress, BurpSuite

PROJECTS

Story Wise (Generative AI App)

Using React, Tailwind, HTML/CSS, JavaScript,

- Making users understand scientific topics with ease by stories
- Designed the whole GUI using React and Tailwind containing Chat page, Home page, Collection page, etc.
- Features containing Sitcom scenario scripts generations for user engagement

Food Hygine Rating System (FHRS) App

Using React Native, Expo, HTML/CSS, JavaScript,

- Integrated FHRS API into the mobile app to present map location, rating values, establishments, etc.
- Designed the GUI using React Native containing Maps, Onboarding Screen, BottomSheet, etc.
- Navigating pages using Expo Router
- Features containing Bookmark and Share on social apps

Form Manager Site

Using Flask, SQL, HTML/CSS, JavaScript, JQuery

- Used JQuery to drag and save positions of forms for priority management
- Allows CRUD functionality for forms in a user-friendly layout
- Integrated the site with REST API architecture and stored data in a local database

AI Art Canvas (ML Application)

Using Python, Tkinter, OpenCV

- Generates images from semantic input giving control of how image should generate
- Style transfer feature added where images can merge with art styles
- Implemented the app with SPADE ML model to generate images
- Designed the GUI of the app using python library called Tkinter

CERTIFICATES

Geekle Hackathon Phase 2 Winner
Geekle
Skills: Javascrpit · HTML/CSS · React · QA Testing

Data Analysis Using Python
IBM
Skills: Data Analysis · Jupyter · Python (Programming Language)

Data Science with Machine Learning and Python Internship Program January 2023
TCR Innovation
Skills: Data Analysis · Jupyter · Python (Programming Language)

Full Stack Web Development with Flask
Linkedin
Skills: Full-Stack Development · Flask

Advanced Python: Working With Data
Linkedin
Skills: Data Analysis · Jupyter · Python (Programming Language) · Data Management