

OJASH GURUNG

gurungojash0@gmail.com | +1-(334) 492-4442
www.ojashgurung.com | linkedin.com/in/ojash-gurung

EDUCATION

COVENTRY UNIVERSITY

Bachelor of Science with Honors in Computing

- Graduated from the Honors Program, achieving an Upper Second Class or 3.4 GPA
- IoT Expo Best Project Award 2021

March 2019 - August 2022

TECHNICAL SKILLS

Programming: Python, JavaScript, React JS, Next JS, Node JS, Java, Typescript, Tailwind CSS

Operating System: Windows, Mac OS, Linux

Database: MongoDB(NoSQL), MySQL, PostgreSQL, Neo4j

Website: www.ojashgurung.com, www.flar.ai, www.buzzinsider.com

PROFESSIONAL EXPERIENCE

FREELANCE WEB DEVELOPER

August 2022 - January 2023

UPWORK

- Designed and implemented RESTful APIs to improve system performance and scalability
- Collaborated with product and design teams to ensure a seamless user experience and efficient workflows.

TEACHING ASSISTANT

November 2021 - May 2022

SOFTWARICA COLLEGE OF IT & E-COMMERCE, WEB DEPARTMENT

- Assisted teachers in planning and implementing quiz and lesson presentations.
- Provided one-on-one support to students needing additional help in projects during pandemic through Microsoft Teams.
- Graded weekly quiz for Courses in Developing the Modern Web (STW205CDE).

PROJECTS

BRIGHT NIGHT

January 2021 - March 2021

COURSE PROJECT

- Developed Object Detection & Face Recognition Glasses for visually impaired individuals.
- Enhanced real-time performance by implementing optimized algorithm design and leveraging upgraded hardware, including the Google Coral TPU on Raspberry Pi 4.
- Conducted research and implemented a GPS module for emergency location tracking and theft detection, enabling notification alerts to be sent to close or listed relatives.
- Researched and studied staircase steps detection using HoughLinesP algorithm.
- Developed a computer vision system to distinguish solid horizontal lines (representing staircase steps) and vertical lines (corresponding to the sides of the steps) inspired by lane detection techniques utilized in autonomous vehicles.
- Implemented a real-time object detection text-to-speech (TTS) system using Python 3.0 and the gTTS library.

AUTONOMOUS CAR

June 2021 - Oct 2021

COURSE PROJECT

- Implemented Lane Detection using HoughLineP algorithm and live camera footage.
- Utilized OpenCV and Python to process video streams and identify lane boundaries.
- Demonstrated proficiency in computer vision techniques, image processing, and algorithm integration.
- Enhanced the application's usability and potential for use in autonomous vehicles or driver-assistance systems.

CHATGPT CLONE WEBSITE

January 2023

INDIVIDUAL PROJECT

- Developed a Chat GPT clone using React.js and integrated OpenAI API for natural language processing capabilities.
- Leveraged OpenAI API to process and generate responses, utilizing cutting-edge language models to provide meaningful and contextually relevant answers.
- Ensured responsiveness and a seamless user experience across various devices and screen sizes.
- Created an interactive user interface for users to engage in conversations with the Chat GPT model in real-time.

JOB HUNT APP

April 2023

INDIVIDUAL PROJECT

- Developed a job hunt application using React Native to provide users with a streamlined job search experience powered by Google Jobs API.
- Created an intuitive user interface with a search bar and filters to help users find relevant job listings based on their preferences and qualifications.
- Implemented user authentication and account management features, allowing users to save favorite jobs and track application progress.
- Integrated Google Jobs API to fetch real-time job data from Google's extensive job database, ensuring up-to-date and comprehensive job listings.

RESEARCH PROJECTS

1. TITLE: Exploring the Feasibility and Potential of Blockchain Technology in the Real Estate Sector through Smart Contracts

SUPERVISOR: Professor Manoj Shrestha

DESCRIPTION: This research project delved into the potential of blockchain technology in the real estate sector through the implementation of smart contracts by exploring benefits like increased transparency, enhanced efficiency, and automated processes, the study assessed existing blockchain solutions and identified opportunities for improvement. The project was conducted during the 2022 second semester.

CERTIFICATIONS

- | | |
|---|----------|
| • Certification of Completion - Intro to Machine Learning | Jan 2023 |
| • Certification of Completion - Data Science Foundation | Dec 2022 |
| • Certification of Completion - DevOps | Feb 2022 |
| • IOT (Internet Of Things) Expo 2021 - 1st Position | Mar 2021 |
| • National Sports Council - Cricket Training - Grade C | Aug 2014 |
| • Armed Police Force Wiffle Ball Tournament - Played Champion | Nov 2012 |
| • The 3rd Ambassador Cup Chinese Language Contest - Active Participation | Sep 2012 |
| • Nepal Scout Adventure Trail - 2068 - First Team to Complete | Dec 2011 |
| • The 2nd Chinese Singing Competition In Nepal - Excellent Performance | Nov 2011 |

COMMUNITY SERVICE

NEPAL SCOUTS: Served in Crowd Management Team during festival seasons, including Jatras, Shivaratri, Holi, as well as school-based and community-based programs in Kathmandu

AAWHAN YUWA SANJAL: Assisted at Grand Blood Donation & General Health Camp in 2021 and 2019