

OJASH GURUNG

gurungojash0@gmail.com | +977-9803498909
www.ojashgurung.social | linkedin.com/in/ojash-gurung

EDUCATION

COVENTRY UNIVERSITY

Bachelor of Science with Honors in Computing

March 2019 - August 2022

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

TECHNICAL SKILLS

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|-----------------------|-------------------------|------------------------------|------------------|
| • Data Visualization | • Quantitative Analysis | • Java/Python/JS | • Agile & DevOps |
| • Data Science | • TensorFlow | • Data Warehouse/ETL | • React JS |
| • Machine Learning | • Data Models | • Computer Vision | |
| • Python/Scikit-learn | • Oracle/SQL Server | • Full Stack Web Development | |

PROFESSIONAL EXPERIENCE

JUNIOR REACT DEVELOPER

September 2022 - Present

LUCID TECHNOLOGY PVT. LTD.

- Effectively executed tasks in adherence to the Agile Methodology, utilizing Trello for efficient storyboarding and seamless collaboration with cross-functional teams.
- Created visually appealing website widgets that align with the product's branding and style guidelines, maintaining consistency throughout the web application.

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

AUTONOMOUS CAR

June 2021 - Oct 2021

COURSE PROJECT

- Implemented Lane Detection using HoughLineP algorithm and live camera footage.
- Utilized Deep Learning Algorithms to process video streams and identify lane boundaries.
- Demonstrated proficiency in computer vision techniques, image processing, and algorithm integration using Neural Networks for Object Detection.

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.