

# Dikshant Lamsal

---

**Address:** 1201 Gains Ave Apt A, Ruston, LA 71270 | **Work Address:** 335 Wisteria St, 229 Toliver Hall; PO Box 3037 Ruston, LA, 71270 United States | **Cell:** 318-512-1646 | **Email:** [lamsaldikshant1@gmail.com](mailto:lamsaldikshant1@gmail.com) | **Website:** [dikshantlamsal.netlify.app](http://dikshantlamsal.netlify.app)

## Education

**BSc in Mechanical Engineering | Fall 2024 - Present | Louisiana Tech University, USA**

GPA: 3.94/4.00

**High School | Graduation: Fall 2023 | Trinity International SS & College, Nepal**

GPA: 3.85/4.00

## Projects

### **Senses Lamps (Spring 2025):**

Co-designed and built the “Senses Lamp”, a smart home device with sunrise simulation, adjustable lighting, alarm, Bluetooth speaker, phone charging, and environmental displays.

Used SolidWorks to design the lamp’s base and neck.

### **Nuclear Power Plant Mapping (Summer 2025):**

Collaborated with Dr. Chris Jacobsen (Research Professor, Northwestern University) on data collection for a book on energy, climate, and nuclear power.

Used Python (Spyder) to process data and support creation of a copyright-free global map with reactor sites sized by capacity and color coded by decade.

### **Truss Design and Optimization (Fall 2025):**

Designed a structural truss in SolidWorks, created DXF parts, and 3D printed each component.

Assembled all parts by hand and optimized members using I and T shaped cross sections to increase strength while minimizing weight.

### **Arduino Based Smart Car- ENGR 120:**

Built a small Arduino-powered car that responds to directional inputs using photoresistors and gained hands on experience in Arduino coding, sensor integration, and basic robotics.

### **Canister Oven- ENGR 121:**

Built a canister oven using Arduino and thermostat, with LED light indicating temperature and a fan that activates to maintain the set temperature.

## Work Experience

### **Social Media Manager | Office of International Affairs, Louisiana Tech | (Fall 2024-Present)**

Managed and created engaging content for official social media platforms of Office of International at Louisiana Tech to promote international programs and campus events.

Produced a video “Life at Louisiana Tech University as an International Student | Nepalese Student”, which was highlighted by USEF Nepal and shared globally, earning recognition that led to receiving a scholarship at the International Scholarship Dinner.

### **IT Support Specialist | Orbit English School, Nepal | (Fall 2021-Spring 2022)**

Maintained and troubleshoot computer lab hardware, including desktops, monitors, and peripherals, to ensure smooth operations.

Built and upgraded computers, replacing and installing components such as hard drives, RAM and CPUs.

Diagnosed and resolved technical issues, providing timely support to students and staff for both hardware and software problems.

## Skills

**Simulation:** MathCAD, SolidWorks

**Software:** Arduino, MS Office (Excel, PowerPoint, Word)

**Editing:** Canva (Graphic Design), Cap cut

**Spoken Languages:** Fluent in Nepali, Conversant in German.

Activities:

3<sup>rd</sup> Runner up in Integration Bee 2025 at Louisiana Tech University

Louisiana Tech International Auxiliary Scholarship 2025

President list recognition at Louisiana Tech (Winter 024/025, Spring 025, Fall 025)

Public Relation Officer at International Student Association (2025/026)