Bishal Timalsina
GitHub| LinkedIn | timalsinabishal7@gmail.com| (859) 979-6651|Portfolio

EDUCATION

Berea College — Berea, Kentucky
B.A. in Computer Science — Expected Graduation: December 2025

- GPA: **4.0/4.0**.
- Organizations/Awards: Berea College full-ride scholarship ($170,000), **Dean's List**: Fall 2022, Spring 2023, Discovery Funds**.**
- Relevant Courses: Supervised Machine Learning (Coursera), Open-Source Software Engineering, Data Structures and Algorithms, Software Design and Implementation, Calculus-I, Intro to DevOps (Coursera), Introduction to Cloud Computing (Coursera).

SKILLS

- Programming Languages: Python, JavaScript, SQL, C++, C.
- Web technologies: HTML 5, CSS 3, Bootstrap.
- Developer Tools**:** Git, GitHub, VS Code, Flask.

EXPERIENCE

Robotics Undergraduate Research Intern — **Purdue, US**
Purdue University — June 2023 – August 2023

- Developed and implemented hand gesture recognition using computer vision and deep learning algorithms, resulting in increase in robot accuracy and efficiency in performing human tasks.
- Utilized programming from demonstration and learning from demonstration techniques to improve the robot's ability to perform complex actions, such as cooking, performing surgeries, reducing the need for human intervention.

Incoming Primary Teaching Associate, Computer Science Department — **Berea, US**
Berea College

Teaching Associate, **Computer Science Department** — **Berea, US**
Berea College — Feb 2023-June 2023

- Assisted more than 20+ students to cement basic SQL and general programming fundamentals.
- Provided vital lab time for students to receive help troubleshooting code and receive constructive criticism and explanations.
- Hosted review sessions attended by over 25+ students who saw a higher-than-average grade on larger assessments.

Operations Associate, Public Safety — **Berea, US**
Berea College — Dec 2022-Jan 2023

- Collaborated closely with Security Systems Coordinator to maintain a record of the Closed Circuit- Television (CCTV) footage around the campus which assisted in maintaining 100% safety.
- Attended more than 300 calls to help students and faculty be informed about the information regarding the campus and safety hazards.

TECHNICAL PROJECTS

Client Book| C++

- A full-stack Client Management Service application.
- Utilizes .Net development and Entity Core to build an immersive application for small-tier client management.

Image Editor| Python and Tkinter

- Implemented the project within 48 hours coding challenge deadline.
- Used Object Orientated Programming for the code reusability, including the Class-responsibility-collaboration (CRC)card to help the teammates collaborate in the brainstorming sessions.

Email Spam Detector| **Machine Learning**

- An application that detects whether an email is spam using machine learning by checking its probabilities.

CLUBS AND EXTRACURRICULAR ACTIVITIES

- **Technical Lead at Google Developers Club** — **August 2022-Present**
  - Worked to organize hackathons for more than 50 students from the club.
- **Member of National Society of Black Engineers- Berea Chapter (NSBE), Berea, KY** — **August 2022-Present**
  - Find, collect funds, and prepare more than 30 students for regional hackathons and competitions.

Other Affiliation and Certifications:

Virtual Insights Series Participant at Goldman Sachs, Dell Technology Emerge Participant, Participation at Major League Hacking Social Good Week, Color Stack Member, Software Engineering Virtual Experience at JP Morgan& Chase, Software Engineering Virtual Experience Program at Godman Sachs Back-End Engineering at Lyft.