Bibek Maharjan

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EDUCATION

Kent State University, *M.Sc. in Computer Science* | Kent, OH — Graduation Date: May 2025
Tribhuvan University, *B.Sc. in Computer Science* | Kathmandu, Nepal — Graduation Date: December 2020
- **GPA**: 3.70
- **Relevant Course Work**: Data Structures and Algorithms, Software Engineering, DBMS, Software Analysis and Design, Operating System, Artificial Intelligence

WORK EXPERIENCE

Outlines Research & Development — Lalitpur, Nepal
PHP Developer — May 2021 – April 2022
- Developed and implemented RESTful APIs for *VRPlanr*, an Italian virtual venue planning platform, facilitating seamless communication between users and property listings. This initiative streamlined the venue selection process, leading to a 20% increase in user engagement.
- Implemented a user-friendly panel on the *Hollywood Khabar* news portal, enabling users to effortlessly upload their own events, resulting in a 12% surge in user-generated content submissions and a 10% increase in website traffic.
- Spearheaded the development of the admin panel for the *Integrated Forest Management Information System*, collaborating with the Ministry of Forests and Environment, Nepal resulting in a 20% increase in data accessibility and efficiency for the Ministry.

PHP Developer (Internship) — February 2021 – May 2021
- Performed regular maintenance tasks on the websites and admin panels of *himalkhabar.com*, *Travel Route Pvt. Ltd.*, and *help.org.np*, ensuring optimal functionality and security yielding 8% increase in overall site performance.

CloudFactory Nepal (Subsidiary of CloudFactory USA, LLC)
Data Specialist
Client-1: Dataminr — January 2023 – July 2023
- Collaborated on training an advanced AI model for threat prediction, virality assessment, and critical mention identification bolstering real-time event monitoring and crisis response time.

Client-2: Ibotta, Inc. — June 2018 – March 2022
- Administered receipt moderation carefully evaluating cashback reward eligibility criteria to maintain adherence with the company's rewards program.
- Managed customer inquiries and comments ensuring timely resolution of concerns related to missed offers and cashbacks, while delivering personalized feedback to uphold customer satisfaction standards.

LEADERSHIP EXPERIENCE

Teaching Assistant – Kent State University — August 2023 – Present
- Delivered a range of teaching and assessment activities including website development using HTML, CSS, JavaScript, and MySQL. Collaborated on game development and provided project feedback and guidance to 100+ students.

PROJECTS

Information Visualization: Developed a prototype of visualization system by integrating multiple visualization using D3 JS.
Machine Learning Algorithm: Implemented Ant Colony Optimization using K-means clustering, Developed Pattern Based Classification of Parkinson's Disease
Microsoft Professional Program (Microsoft Certified): Completed courses related to data science.

TECHNICAL SKILLS

PHP • SQL • JavaScript • React • Node • REST API • Microsoft Office Suite • HTML/CSS • PowerShell • Postgres • Git • Express • Ajax • jQuery • Python • AI/ML • C++