

Bibek Maharjan

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PROFESSIONAL SUMMARY

Software Developer with 2+ years of experience in designing and implementing web and AI-driven solutions. Skilled in PHP, JavaScript, SQL, and Python, with expertise in Agile methodologies, SDLC, and Git version control. Proven track record of improving performance and user engagement through innovative software development.

EDUCATION

Kent State University, *PhD. in Computer Science* | Kent, OH Expected Graduation, 2028

- **Relevant Course Work:** Secure Programming, Data Structures, Advanced Algorithms, Software Engineering, Advanced DBMS, Computational Geometry, Artificial Intelligence

WORK EXPERIENCE

Outlines Research & Development

Lalitpur, Nepal

Software Developer

February 2021 – April 2022

- Developed and implemented RESTful APIs for *VRPlanr*, an Italian virtual venue planning platform, facilitating seamless communication between users and property listings. Applied Agile methodologies to streamline the fabrication process, resulting in a 20% increase in user engagement.
- Used Kanban to manage workflows while implementing a user-friendly panel on the *Hollywood Khabar* news portal, enabling users to effortlessly upload their own events, leading to a 12% surge in user-generated content submissions and a 10% increase in website traffic.
- Designed and expanded the admin panel for the *Integrated Forest Management Information System*, for the Ministry of Forests, Nepal achieving a 20% improvement in data accessibility and efficiency.

CloudFactory Nepal (Subsidiary of CloudFactory USA, LLC)

Data Specialist

Client-1: Datamirr

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 teaching and assessment activities, including website building using HTML, CSS, and JavaScript, which enhanced students' practical skills in web development.
- Collaborated on game design and provided project feedback and guidance to 100+ students, improving their understanding and application of game design principles.

PROJECTS

Information Visualization: Achieved streamlined data interpretation by developing a D3.js visualization prototype, integrating multiple visualizations.

Machine Learning Algorithm: Designed a machine learning model using Ant Colony Optimization to find shortest route between US cities. Constructed a classification model for early detection of Parkinson's Disease, performing advanced data analysis with Python (pandas, NumPy).

Job Portal Application: Created a MERN-based full-stack job portal with Agile practices.

TECHNICAL SKILLS

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