

Bishakha Upadhyaya

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TECHNICAL EXPERIENCE

CSEDRESEARCH.ORG | FULLSTACK DEVELOPER

January 2019 - Present | Galesburg, IL

- Build an instrument creation package for redCap using csedresearch.org's database using Javascript and PHP.
- Automate company's tweets using PHP to update newly added research data to improve brand awareness.
- Enhance the evaluation instrument submission form to ensure consistency and efficiency in reporting data.

BANK OF AMERICA | GLOBAL TECHNOLOGY ANALYST INTERN

June 2020 - August 2020 | Charlotte, NC

- Built a Compliance Assistant app using Natural Language Processing and Machine Learning to mitigate compliance risk for the internal customers by processing policy documents.
- Analyzed company's earnings and stocks to build a low risk investment portfolio.
- Navigated different non profit partnership options to recommend new partners that has a wider reach and aligns with the bank's values.

CSEDRESEARCH.ORG | UNDERGRADUATE STUDENT

RESEARCHER

June 2019 - August 2019 | Galesburg, IL

- Produced visuals using the data from the site's database and analyzed the trends in the data for a research publication in Special Interest Group in Computer Science Education Conference 2020.
- Created design mock ups and prototypes to strengthen and enhance user experience and improve site interactions.

PROJECTS

KNOX KNINJA | C# | UNITY | AGILE

- Designed and deployed a slicing game with Midwest Conference College theme.

RUSSIAN TROLL TWEET ANALYZER | RUBY | TEXT ANALYSIS

- Developed a text analysis program in Ruby that analyzes the troll tweets for the most common words used by them and look for patterns in the date and time published.

BABBLER | PYTHON | MARKOV CHAIN | SENTENCE GENERATOR

- Built a sentence generator using Python that mimics random sentences by different authors.

RESEARCH PUBLICATIONS

ASSOCIATION FOR COMPUTING MACHINERY(ACM)

- Exploring the Enacted Computing Curriculum in K-12 Schools in South Asia: Bangladesh, Nepal, Pakistan, and Sri Lanka
- A Longitudinal Analysis of K-12 Computing Education Research in the United States: Implications and Recommendations for Change

EDUCATION

KNOX COLLEGE

BACHELOR OF SCIENCE IN

COMPUTER SCIENCE WITH MINOR IN
NEUROSCIENCE

Expected June 2021 | Galesburg, IL

CGPA: 3.75 / 4.0

SKILLS

PROGRAMMING

Python • Java • PHP • JavaScript

MySQL • MongoDB

HTML • CSS

Tableau • Jupyter • Git

COURSEWORK

UNDERGRADUATE

Artificial Intelligence

Linear Algebra

Algorithm Design and Analysis

Applied Data Structures

Research Seminar in Computing

Natural Language Processing

Intro to Computing Systems

Database Systems

UDEMY

Web Developer Bootcamp

Ultimate MySQL Bootcamp

Tableau Desktop Training

SOCIETIES

Association for Computing Machinery (ACM)

AnitaB.org (Scholar 2020)

Rewriting the Code (Fellow 20-21)

Nepali Women in Computing

LEADERSHIP

PRESIDENT

Women in Computer Science Club,
Knox College

STUDENT AMBASSADOR

Computer Science Department, Knox
College

RESIDENT ASSISTANT

Campus Life, Knox College