

## Bibek Itani

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### EDUCATION

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CLAFLIN UNIVERSITY, Orangeburg, SC

Expected Graduation Date: May 2022

Bachelor of Science in Computer Science

Alice Carson Tisdale Honors College, GPA: 3.40

### RELEVANT COURSES

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Fundamentals of Programming, Object Oriented Programming, Data Structures and Algorithm, Computer Organization and Architecture, Discrete Mathematics, Calculus I, Calculus II, Calculus III, Linear Algebra, Database Management System, System Analysis and Design

### PROFESSIONAL EXPERIENCE

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Department of Admissions, Claflin University

#### Database and Web Developer

August 2020 – December 2020

- Developed a data collection system of International Students constituting tech stack of Laravel framework (PHP), MySQL, JQuery, Ajax, HTML5, CSS
- Created MySQL database using Laravel Migration and used POST, DELETE, PUT method to trigger the records
- Used AJAX to display the data on most frequently visited pages

School of Natural Science and Mathematics, Claflin University

#### Research Assistant

May 2019 – July 2019

- Worked as a principal researcher in the project of computing atomic behaviors on Potential Energy Surface
- Designed and constructed the algorithm for the Velocity-Varlet method
- Created Module and graph of behavior of an atom in a Potential Energy Surface using GNUPLOT and FORTRAN on a LINUX OS, under the advisement of a Faculty mentor
- Generated data for various coordinates required for the graphs and modeling using GNUPLOT.
- Computed Boltzmann's distribution and Newtonian trajectory using FORTRAN and GNUPLOT

### PERSONAL PROJECTS

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#### No Trek

June 2020 - Present

Backend Developer

- Designed the backend architecture and handled thousands of requests using Postman and Insomnia
- Worked on MySQL injections prevention and did safety checks using Cloudflare
- Designing the APIs to include each request like requesting a ride, sending the user location, payment method, etc.

### SKILLS

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Programming: PHP, JavaScript, MySQL, Python, Java

Web: HTML5, CSS

Libraries Used: Pandas, NumPy, Facebook SDK library, Twilio PHP, PHP Mailer, Stripe PHP

Language: Native Nepali, English, Hindi

### EXTRACURRICULARS AND HONORS

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- Winner of Google's Virtual Coding Challenge hosted on October 5, 2019
- Member of National Society of Black Engineers (NSBE) at Claflin University
- The Alice Carson Honors' Scholar, Claflin University
- Participant, HackCU, Clemson University
- Member of ClafLAN (Claflin University's Coding Group)