

# BIKASH SHRESTHA

Nashua, NH | 929-691-4477 | Shrestha.bikas23@gmail.com  
[bshrestha](https://github.com/bshrestha)

Software Engineer with a strong academic foundation and professional expertise in developing scalable web and mobile applications. Passionate about delivering clean, efficient code and creating impactful user experiences.

## WORK EXPERIENCE

### Chobhar Inc.

Queens, NY

Software Developer

September 2023 – Present

- Designed responsive web applications using Next.js and TypeScript, driving a 35% increase in user engagement.
- Enabled over 150 Nepali businesses to establish an online presence with a streamlined registration system.
- Developed RESTful APIs using Node.js, reducing back-end response times by 20% and enhancing scalability.
- Conducted rigorous QA testing, ensuring bug-free and optimized deployments.

### UMass Lowell

Lowell, MA

Teaching Assistant

January 2024 – May 2024

- Provided detailed feedback on assignments, focusing on C and C++ programming, contributing to a 15% improvement in students' average project scores.
- Clarified core computing concepts for over 30 students, improving academic performance and boosting class exam results by 20%.

### Mango Consulting LLC

Queens, NY

Full Stack Intern

May 2022 – September 2022

- Collaborated with clients to develop business websites, increasing traffic and sales by over 50%.
- Built e-commerce platforms on AWS, reducing hosting costs by 20% while maintaining high performance.

## EDUCATION

### University of Massachusetts Lowell

Lowell, MA

Bachelor of Science in Computer Science, Minor in Mathematic

Fall 2021 - Spring 2024

Dean's List (Spring 2022 - Spring 2024)

GPA: 3.7/ 4.0

## TECHNICAL SKILLS

- Programming Languages:** C, C++, HTML5, CSS3, JavaScript, TypeScript, Python, Java
- Frameworks/Libraries:** ReactJS, NodeJS, NextJS, SFML, Bootstrap, TensorFlow, PyTorch, GraphQL
- Database Technologies:** Firebase, MongoDB
- Tools:** Google Workspace, Microsoft Office, VS Code, Linux, Git, Figma, Nifty
- Languages:** English, Nepali, Hindi, Urdu

## PROJECTS

### Fast Graph Attention Neural Network | Python, PyTorch, HuggingFace

- Designed and implemented a machine learning model that predicts the future states of systems with multiple interacting agents (multi-agent systems) by analyzing their interactions and relationships.
- Optimized the algorithm for faster performance, reducing training time by 3.5x compared to traditional graph neural networks.

### Personal Finance Applications | React, Python

- Designed the front-end interface with Figma and implemented it using React, improving user experience.
- Developed features to help users track expenses by category, set financial goals, and monitor progress.