

# Bikram Subedi

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[Portfolio](#) • [LinkedIn](#) • [Github](#) • Rochester, NY 14623

Technically sophisticated professional with solid educational background and hands-on experience in enhancing software solutions through Agile methodologies, Full Stack Development, and a keen focus on improving user experience. Skilled in developing end-user software analytics and providing actionable recommendations to enhance overall performance, reliability, sustainability, and scalability of systems. Quick learner with outstanding programming and debugging skills; able to secure digital future of company using latest techniques. Committed to continuous learning, fostering collaborative environments, and driving innovation in software design and implementation.

## Areas of Expertise

- Software Development
- Code Refactoring & Optimization
- Documentation & Reporting
- Database Management
- Troubleshooting & Debugging
- Mobile Application Development
- Performance Optimization
- Third-party API Integration
- Real-time Processing & Testing
- Progressive Web App Development
- Cross-functional Collaboration

## Technical Skills

<b>Programming Languages:</b>	Java   Python   JavaScript   Ruby   C
<b>Framework:</b>	React Native   ReactJs   Ruby on Rails
<b>Tools:</b>	IntelliJ   RubyMine   WebStorm   Visual studio   Code   Atom   Vim   PyCharm   GitHub   TrelloBoa   Jira
<b>Database:</b>	SQL   pgAdmin

## Experience

Watermark Retirement Communities

08 – 12/2021

Software Engineer Intern

Oversaw development lifecycle from initial prototyping to enterprise-quality testing and final implementation using Agile methodologies. Utilized expertise in Full Stack Web Development, JavaScript, Git, and Chrome Developer Tools to debug and enhance application performance.

- Transformed desktop application into progressive web app; improved resource accessibility and enabled seamless access to critical tools and data.
- Enhanced team efficiency by successfully applying Agile methodologies, optimizing development processes, fostering better communication, and ensuring timely delivery of high-quality software solutions.

Integrated third-party APIs into existing systems for enhancing functionality and user experience. Led seamless interaction with external services and provided advanced features to end-users.

- Elevated team efficiency and project success by proactively troubleshooting technical challenges and collaborating with interns throughout software development lifecycle.
- Refactored and optimized existing code, significantly improving efficiency and maintainability of codebase.

Implemented key features using React, Redux, JavaScript, HTML, and CSS to enhance functionality and user experience of software. Collaborated with cross-functional teams using Agile methodology to ensure timely delivery of high-quality software products.

- Maximized software quality and reliability by debugging code to identify and efficiently fix errors.
- Boosted overall functionality of the company's software products by introducing and deploying new features.
- Contributed to the software's competitive edge in the market, improving user satisfaction.
- Optimized existing code, significantly refining software performance and reliability, ensuring smoother operation and a better user experience for customers.

## Education

Bachelor of Science in Software Engineering, 2022  
Rochester Institute of Technology, Rochester, NY

## Projects

Library Management System, 10/2023 – 05/2024

- Designed and implemented a library management system utilizing React, Redux, Python, Flask, and SQL.
- Created a chatbot using NLTK and scikit-learn to assist users with library inquiries and provide support.
- Applied machine learning techniques to recommend books to users based on their checkout history and preferred genres.

Tiger Salvage 01/2022 – 08/2022

- Deployed industry-standard software development practices, collaborating with team members to create an intuitive Android application using Java and DJI Mavic SDK.
- Enhanced object detection algorithms, improving system's ability to identify objects on water surfaces.
- Analyzed team metrics and partnered with the technical lead to devise error-handling strategies while developing comprehensive test suites to ensure project quality and reliability.