

# BIPIN KALAKHETI

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[LinkedIn](#) — [Portfolio](#) — [GitHub](#)

## Summary

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Software Engineering graduate with a diverse technical foundation and hands-on experience across multiple programming languages and frameworks. Demonstrated ability to build end-to-end applications ranging from web platforms to machine learning systems. Strong problem-solving skills complemented by a passion for learning new technologies and best practices. Early exposure to programming sparked a deep interest in technology, leading to continuous self-driven learning and development of various technical projects. Seeking a software engineering internship to apply and expand technical expertise while contributing to innovative solutions.

## Education

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### Centennial College

Sep. 2022 – Apr. 2024

*Software Engineering Technician Diploma — GPA: 3.8*

*Toronto, ON*

- Core Studies: Data Structures & Algorithms, Object-Oriented Programming, Software Architecture, Database Systems, Web Development
- Developed strong foundation in software engineering principles through hands-on projects and collaborative development

## Technical Skills

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**Languages & Frameworks:** JavaScript/TypeScript, Python, Java, C/C++, React.js, Node.js, Express.js, Flask

**Web Technologies:** HTML5, CSS3, REST APIs, WebSocket, Authentication, Responsive Design, State Management

**Developer Tools:** Git, VS Code, Docker, Postman, Chrome DevTools, npm/yarn, Jest, ESLint

**Databases & Cloud:** MongoDB, MySQL, Firebase, AWS, Vercel, Database Design & Optimization

**Areas of Interest:** Machine Learning, System Architecture, API Design, Full-Stack Development

**Software Practices:** Agile/Scrum, Test-Driven Development, Code Review, Documentation

## Projects

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### KhajaGhar Food Ordering Platform | *Full-Stack Development* | [GitHub](#)

2024

- Designed and built a comprehensive food delivery platform using microservices architecture
- Implemented user authentication, order management, and payment processing systems
- Created RESTful APIs with error handling and basic testing implementation
- Developed database models and queries for efficient data management

### Sentiment Analysis Web Application | *Machine Learning, Web Development* | [GitHub](#)

2023

- Built an end-to-end web application for analyzing sentiment in text data using Python and Flask
- Integrated natural language processing libraries for text analysis and sentiment scoring
- Implemented data preprocessing pipeline for cleaning and preparing text inputs
- Designed user interface for submitting text and displaying analysis results

### GuffGaff Real-time Chat Platform | *Real-time Systems* | [GitHub](#)

2023

- Developed a real-time chat application with instant message delivery using WebSocket
- Integrated user authentication and basic security measures using Firebase
- Implemented state management using modern React patterns and hooks
- Built responsive UI components with error handling for improved user experience

## Additional Experience

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### Technical Learning & Development

2020 – Present

- Completed Harvard's CS50, strengthening computer science fundamentals and problem-solving skills
- Developed expertise in various development environments and tools through self-directed learning
- Built multiple personal projects exploring different technologies and programming paradigms