

# BIVEK KASAJU

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## EDUCATION

### Master of Applied Computing

University of Windsor, Windsor, ON, Canada

CGPA: 8.8/10

Sep 2023 - Apr 2025

### Bachelor of Engineering, Computer Science & Engineering

Nitte Meenakshi Institute of Technology, Bangalore, India

CGPA: 8.24/10

Aug 2016 - May 2020

## WORK EXPERIENCE

### Software Developer Co-op

Utilismart Corporation, Oldcastle, ON, Canada

Sep 2024 - Apr 2025

- Engaged in full-stack development, designing dynamic user interfaces using React 18 with TypeScript and developing scalable back-end services using C# and ASP.NET Core 6, with database management in Oracle.
- Led the porting of existing Java modules to C#, ensuring compatibility and functionality through comprehensive unit and integration testing using xUnit and MSTest frameworks and Postman for API testing.

### Software Engineer

Cedar Gate Services Pvt. Ltd., Kathmandu, Nepal

Jun 2021 - Jul 2023

- Coordinated with the team lead to implement an export service module in Java using Spring boot along with Apache POI and iText libraries for generating reports in PDF, Excel, and Word formats. The approach involved designing a flexible API for export configurations, incorporating asynchronous processing, resulting in a 40% reduction in report generation time.
- Collaborated with 2 senior members to upgrade the UI of 2 different web applications in React, focusing on implementing responsive design, optimizing component performance with React.memo and lazy loading, and integrating Material-UI.
- Developed and executed comprehensive unit tests using JUnit and Mockito.
- Designed advanced stored procedures, triggers, functions in T-SQL utilizing indexing strategies to optimize performance.
- Mentored new hires during onboarding by providing hands-on assistance with initial setup, guiding them through coding standards, tools, and best practices.

### Full Stack Developer, Intern

LIS Nepal Pvt. Ltd., Kathmandu, Nepal

Jan 2021 - Apr 2021

- Designed highly responsive UI components in React using hooks and functional programming, collaborating closely with UI/UX design teams, resulting in a 25% increase in conversion rates.
- Automated data backup processes from local databases to Google Cloud Platform (GCP) using Python scripts, reducing manual intervention by over 20% and significantly improving operational efficiency.
- Built RESTful APIs using Node.js and Express, integrating MongoDB and also worked on writing complex business logic.
- Gained hands-on experience in implementing CI/CD pipelines using tools like GitHub Actions and Jenkins.

### Angular Developer, Intern

IMS Software Pvt. Ltd., Kathmandu, Nepal

Oct 2020 - Dec 2020

- Developed interactive and responsive UI components for POS applications in Angular serving 10000+ active users.
- Established a solid foundation in front-end technologies like HTML5, CSS3 (with Flexbox & Grid), JavaScript (ES6) & jQuery.

## PROJECTS

### Job Skills Extraction & Analysis Using NLP ([Link](#))

University of Windsor, ON

Jan 2024 - March 2024

- Implemented the NLP library, spaCy and created a custom pipeline to extract soft and hard skills from a LinkedIn job description dataset with an accuracy of 83% through fine-tuning model parameters and optimizing the entity recognition.
- Created a course recommendation system that recommends courses based on the extracted skills using cosine similarity.
- Developed a dashboard in Streamlit with real-time data analytics providing insights into emerging skill demands.

### Auto Mobile Price Analysis ([Link](#))

University of Windsor, ON

Nov 2023 - Dec 2023

- Developed an auto mobile price analysis system in Java using data structures like Trie for efficient inverted indexing, AVL Trees for page ranking algorithms, Edit Distance for similarity measurement, and Merge Sort for optimizing data sorting.
- Used Selenium to automate the web scraping, extracting over 1000+ records of various automobiles from multiple sites.

### Netflix Clone Mobile App

Personal Project

Feb 2023 - April 2023

- Designed a fully functional Netflix clone mobile app in React Native and Node.js with features like user authentication, dynamic content library, search functionality, personalized recommendations, offline viewing, and user profiles.
- Developed a movie recommendation feature using Collaborative Filtering and Content-Based Filtering algorithms to analyze user interests and past viewing choices, providing personalized content suggestions.