

# AVINASH BHAT

[avinash.bhat@mail.mcgill.ca](mailto:avinash.bhat@mail.mcgill.ca) | (+1) 4387222917  
<https://avinashbhat.github.io> | <https://linkedin.com/in/aviinashbhat>

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## Education

**Doctor of Philosophy**, Computer Science, Ongoing  
McGill University, Montreal, Canada

**Master of Science (Thesis)**, Computer Science, 2021 - 2023  
McGill University, Montreal, Canada  
**Thesis:** Designing Effective LLM Based Tools for Writing Software Tutorials

**Bachelor of Engineering**, Computer Science and Engineering, 2014 - 2018  
National Institute of Engineering, Mysuru, India  
Project: WikiContext: Summarized annotation of Wikipedia article

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## Publications

A Design Space for Intelligent and Interactive Writing Assistants (CHI2024)  
Mina Lee et al. [including **Avinash Bhat**]

Approach Intelligent Writing Assistants Usability with Seven Stages of Action (In2Writing2023)  
**Avinash Bhat**, Disha Shrivastava, Jin L.C. Guo

SUMMIT: Scaffolding Open Source Software Issue Discussion through Summarization (CSCW2023)  
Saskia Gilmer, **Avinash Bhat**, Shuvam Shah, Kevin Cherry, Jinghui Cheng, Jin L.C. Guo.

Aspirations and Practice of Model Documentation: Moving the Needle with Nudging and Traceability (SIGCHI2023)  
**Avinash Bhat\***, Austin Coursey\*, Grace Hu, Sixian Li, Nadia Nahar, Shurui Zhou, Christian Kästner, Jin L.C. Guo. \*Equal Contribution

A Novel Deterministic Framework for Non-probabilistic Recommender Systems (IEMIS2018)  
**Avinash Bhat\***, Divya Madhav Kamath\*, and C. Anitha. \*Equal Contribution

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## Industry

**Software Engineer (G4, G6)**, Cisco System India July 2018 - July 2021  
Redesign, development and maintenance of a code and document review tool used by more than 10k developers at Cisco. Additionally, designed and led the development of several internal tools.

**Intern**, Cisco Systems India January 2018 - June 2018  
**Intern**, HexOctane September 2017 - December 2017

**Placement Coordinator**, National Institute of Engineering  
**Intern**, Compiler Tree Technologies  
**Intern**, RoboKraft Technologies (now LogicHive)

April 2017 - December 2017  
June - July 2016, June 2017  
June 2015 - September 2015

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## Teaching

Software Design (Winters 2022, 2023, 2024; Fall 2023), Principles of Web Development (Fall 2022),  
Introduction to Computer Science (Fall 2021)

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## Skills

**Languages:** Python, Java, JavaScript, SQL

**Libraries/Frameworks:** PyTorch, Keras, Flask, Django, Spring Boot, Hibernate, React, Node JS, Docker,  
Snowflake, Oracle 11g, Firebase

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## Miscellaneous

PGSS Councillor, Computer Science Graduate Society, McGill University

VP Communications, PGSS Councillor, Computer Science Graduate Society, McGill University

Volunteer, Suicide Prevention, The Erika Legacy Foundation

Speaker, Induction Event, for CSE Class of 2023, National Institute of Engineering

Student Mentor, CSE Class of 2021, National Institute of Engineering