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Aditya Singhal

Tech Consultant

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EDUCATION

Lakehead University, Canada Sep. 2021 - Aug. 2023
Master of Science in Computer Science, GPA: 8.82/10

Delhi Technological University, India Aug. 2016 - Jun. 2020
Bachelor of Technology in Electrical & Electronics Engineering, GPA: 8.39/10

TECHNICAL EXPERIENCE

Deloitte Sep. 2023 - Present
Tech Consultant

- Undergoing training in the OperateNext team

Lakehead University - DaTALab Sep. 2021 - Aug. 2023
Research and Teaching Assistant

- Developed machine learning frameworks for analyzing effectiveness of social media intervention in healthcare
- Conducted hands-on lab sessions, office hours, and evaluated assignments for 100+ students in Computer Science courses

Vector Institute for Artificial Intelligence Oct. 2022 - Feb. 2023
Teaching Assistant

- Developed assignments and delivered tutorials focusing on machine learning forecasting, data shift, and model adaptation to 50+ participants during workshops

Major League Hacking (MLH Fellowship) Sep. 2022 - Nov. 2022
Software Developer Canada

- Collaborated on Meta's open-source project Cinder which has thousands of daily users worldwide

Google Summer of Code - NRNB Jun. 2022 - Sep. 2022
Software Development Intern Canada

- Developed Jupyter notebooks showcasing Computational Modeling in Biology Network (COMBINE) standards and libraries
- Implemented testing of COMBINE libraries via Continuous Integration (CI)

Capgemini Oct. 2020 - Oct. 2021
Sr. Software Engineer

- Developed web and full-stack applications for 3 European clients using SAP Ui5, Fiori and ABAP technologies

University of Padova, Italy Jun. 2019 - Sep. 2019
Research Intern

- Implemented 5 RNN/LSTM models using OpenCV library on TensorFlow to generate trajectory prediction plots

SKILLS

Tools and Languages	C/C++, Python, Git, \LaTeX
Data Science & Machine Learning	MySQL, Selenium, TensorFlow, keras, Tableau, PowerBI
Web Development	HTML, CSS, JavaScript, Bootstrap, jQuery, node.js, express, mongo DB, AWS, Nodemailer, APIs

PROJECTS AND RESEARCH PUBLICATIONS

- Exploring How Healthcare Organizations Use Twitter: A Discourse Analysis (**ICIBM Conference, USA**, Jul 2023) | First author
- Synergy Between Public and Private Health Care Organizations During COVID-19 on Twitter: Sentiment and Engagement Analysis Using Forecasting Models (**JMIR Medical Informatics**, Aug 2022) | First author
- Enhancing Accuracy for Human Trajectory Forecasting in Crowded Scenes (**ICIGP Conference, Singapore**, Feb 2020) | First author
- NODDLE: Node2vec based deep learning model for link prediction (**EAI BDTA Conference**, Dec 2022) | Co-author
- FATE of AI in Social Media Intervention for Healthcare: A Systematic Review (under review) | First author
- Twitter Wordcloud: A full stack flask web application for fetching tweets and creating word clouds.

ACHIEVEMENTS AND ACTIVITIES

- **Vice-President** of Graduate Assistants' executive board at Lakehead University Apr. 2022 - Sep. 2022
- Awarded **Vector Scholarship in Artificial Intelligence**, Vector Institute, Toronto Sep. 2021
- Awarded **Graduate Funding (Academic merit-based)**, Lakehead University Sep. 2021 - Aug. 2023