MITCHELL CHATTERJEE

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PROFESSIONAL SUMMARY

Diligent Machine Learning Engineer with strong leadership skills and a history of successful collaboration in teams. Proficient in developing and maintaining successful business products. Deep knowledge of Machine Learning and Full-Stack software development. I am passionate about applying Machine Learning to meaningful real-world problems and motivated by the opportunity to collaborate with diverse teams.

EDUCATION

Master's of Computer Science (Thesis)   Sep 2022 - Sep 2024
Carleton University, Ottawa, ON

- Grade: 98.3%
- Thesis: Toward Robust Automated Cardiovascular Arrhythmia Detection using Self-supervised Learning and 1-Dimensional Vision Transformers
- Relevant Courses: Advanced Machine Learning, Natural Language Processing, Deep and Reinforcement Learning

Honours Bachelor of Computer Science, Specialization in Data Science   Sep 2016 - Dec 2020
University of Ottawa, Ottawa, ON

- Grade: 91% (Graduated Summa Cum Laude)

EXPERIENCE

Software Engineer   Jan 2021 - Sep 2022
JSI Telecom, Ottawa, Ontario

- Contributed to a Machine Learning project leveraging Natural Language Processing to perform automated entity recognition and correlation.
- Designed and proposed a robust software architecture catering to the specific requirements of a key customer, increasing the efficiency of time-critical notifications by 33%.
- Developed a novel internal stress testing tool written in C#, automating manual testing and reducing deployment time by 50%. Leveraged Grafana to visualize real-time performance data.

Software Engineer (Internship)   May 2019 - Sep 2020
JSI Telecom, Ottawa, Ontario

- Developed a customer-facing notification web app using AngularJS written in Typescript and C#.
- Developed and maintained various REST APIs following the .NET Framework written in C#.

TECHNICAL STRENGTHS

Machine Learning	Transformers / CNN / RNN Natural Language Processing	PyTorch / Numpy / Pandas Parameter Efficient Fine-tuning	Time-Series / Healthcare Data High Performance Computing
Programming Languages	Python SQL	C# Java	Javascript C/C++