MITCHELL CHATTERJEE

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PROFESSIONAL SUMMARY

Diligent Machine Learning Engineer with strong leadership skills and a history of successful collaboration in teams. Experienced in software development within an agile environment. 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%
- Awards: Graduated Summa Cum Laude
- Relevant Courses: Artificial Intelligence, Fundamentals of Data Science, Design and Analysis of Algorithms II

EXPERIENCE

Software Engineer   Jan 2021 - Sep 2022

JSI Telecom, Ottawa, Ontario

- Designed and proposed a robust software architecture catering to the specific requirements of a key customer. Balanced project deadlines and stringent technical requirements in the design process.
- Developed a novel internal stress testing tool written in C#. Leveraging Grafana to visualize real-time performance data effectively.
- Developed and maintained various software projects written in C#, Typescript, Python and Java.

Software Engineer (Internship)   May 2019 - Sep 2020

JSI Telecom, Ottawa, Ontario

- Worked within a highly capable agile-based engineering team specializing in Data Analytics.
- Developed a customer-facing notification web app using AngularJS written in Typescript.
- Developed and maintained various REST APIs following the .NET Framework written in C#.

TECHNICAL STRENGTHS

Machine Learning	Self-Supervised Learning	Time-Series / Healthcare Data	Transformers
	Natural Language Processing	Parameter Efficient Fine-tuning	High Performance Computing
Programming Languages	Python	C#	Javascript
	SQL	Java	C/C++
Software Skills / Other	PyTorch / NumPy	Docker / Kubernetes	REST APIs
	Cloud Computing	Pandas / AngularJS	Azure / Github