

ALTON LAVIN D'SOUZA

Edmonton, Alberta

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EDUCATION

University of Alberta, Edmonton, AB

Masters in Electrical & Computer Engineering
Overall GPA: 3.7

August 2023 - May 2025

Christ University, Bangalore, India

Bachelors in Computer Science & Engineering
First Class

June 2016 - March 2020

EXPERIENCE

Prar Labs

Artificial Intelligence Intern

May 2024 - Present

San Francisco, CA (Remote)

- Worked on creating a chat bot that can answer medically related questions and also fetch and summarize patient records.
- Used technologies like Python, HuggingFace, LangChain and MongoDB Cloud Atlas, Docker and NVIDIA CUDA.
- Made use of pretrained models like Llama to create a RAG bot.
- Made use of few shot prompt examples to fine tune responses.
- Integrated the LLM with AUSA Medical Platform
- Working on fine tuning responses for specific use cases and creating agents.

Oracle Cerner

Software Engineer

December 2019 - August 2023

Bangalore, India, Karnataka

- Worked on maintaining and building medical device drivers for the CareAware EHR Platform
- Used technologies like Terraform, Java and Python
- Mentored and onboarded new team members and interns
- Collaborated in Design and Development of Careware EHR Services and products
- Created Integration testing framework for medical device drivers
- Promoted IaC adoption in the team.

CERTIFICATIONS

AWS Certified Machine Learning Specialty

Score: 823/1000

December 2019 - August 2023

Edmonton, AB

- Met competencies in Data Engineering, Exploratory Data Analysis, Modeling and Machine Learning Operations.

Advanced Certification for Artificial Intelligence in Digital Health and Imaging

Final Grade: A

December 2019 - August 2023

Edmonton, AB

- Explored Topics like Digital Health, Wearable Devices and physiological Signal Processing, Machine Learning, Deep Learning and its Applications, Deep Learning in Imaging and Vision

TECHNICAL STRENGTHS

Computer Languages

Python, Java

Deep Learning Frameworks

Pytorch and Tensorflow

Machine Learning Frameworks

scikit-learn and sklearn

Cloud

Terraform, GCP, AWS and OCI