

# BASIL KURIAN

kurianbasil.ka@gmail.com

(647) - 939 - 2359

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## PROFILE

A motivated and skilled AIMT (Artificial Intelligence and Machine Learning Technologies) student with a strong background in web development, seeking an opportunity as a Data Science Intern. Proficient in programming languages such as React, Angular, Node.js, and experienced in DevOps, server configuration, and Nginx. Eager to leverage my technical skills and passion for data science to contribute to the development of cutting-edge AI and machine learning solutions.

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## EDUCATION

**Lambton College, Toronto ON**  
AIMT

May 2023 – present

**MGM college of engineering and technology, Kerala, India**  
Bachelor of Technology in Computer Science and Engineering

Graduated 2019

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## SKILLS SUMMARY

- Programming Languages: Python, React, Angular, Node.js
- Web Development: HTML, CSS, JavaScript
- DevOps: Server Configuration (Centos), Nginx
- Data Science: Machine Learning, Data Mining, Web scraping
- Tools: GitHub, GitLab, Figma, Microsoft Office tools: Outlook, Excel, Access, PowerPoint, Microsoft Teams, Word, Power BI, Postman, Scikit-learn, NLTK, Hugging Face, Slack
- Databases: MongoDB, SQL, Redis
- Cloud Services: AWS (EC2, S3), Firebase

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## PROJECTS

- **Speech to Sign language 3D – Capstone Project** May 2024 - Ongoing  
Lambton College  
Part of a team of 6 developers developing a speech to sign language generation app from scratch. Utilized speech-to-text and small language models to enable the functionality. The product helps the deaf people to communicate well. All though the app works well but it is unidirectional, only speech to sign is generated, sign to audio part is planned to do as a future work. Planned to release APIs, a web application within 3 months.
- **Live-Face-Cam-and-Speech-Sentiment-Analyzer** January 2024 – April 2024  
Lambton College  
Part of a team of 5 developers developed a sentiment analyser and live transcriber from scratch. By harnessing the power of deep neural networks, specifically Convolutional Neural Networks (CNNs) for face detection and Natural Language Processing (NLP) for speech sentiment analysis, the project endeavors to create an immersive and real-time system. The intention is to offer a multifaceted solution that not only detects facial expressions but also interprets speech sentiments concurrently. This amalgamation of computer vision and NLP technologies strives to revolutionize real-time emotional analysis during live interactions.
- **Slaxn - VIDEO STREAMING WEB APPLICATION** January 2020 – May 2020  
Zweck Infotech  
Created a video sharing platform similar to YouTube. Using angular, bootstrap, and material design for the presentation part. The backend consists of 3 applications servers (NodeJS), encoding servers, Streaming server  
Video Encoding and Streaming were done using the FFmpeg library.

- Locktrip - Hotels/Flights booking app

April 2022 – December 2023

7<sup>th</sup> pillar Infotech

An e-commerce business app to book flights and hotels all over the world built on next.js. Worked on UI using redux-thunk, integrated payment method using razorpay and the project includes league to entertain/encourage the business.