

Joel Sam Mathew

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EDUCATION

- **Indian Institute of Technology (IIT), Palakkad** Kerala, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 9.0 July 2019 - April 2023
- **Kuriakose Elias English Medium School** Kerala, India
Class XII (ISC); Percentage: 97% April 2019

SKILLS

- **Languages:** Go, Python, C/C++, C#, SQL
- **Frameworks:** Familiar with React, Tailwind, TensorFlow, Keras, Pytorch
- **Tools:** Linux, Kubernetes, Docker, Git, PostgreSQL, Azure Pipelines
- **Soft Skills:** Leadership, Communication, Time Management, Event Management

EXPERIENCE

- **Colortokens Inc.** Bangalore, India
Member of Technical Staff - I July 2023 - Present
 - Proposed, implemented and integrated support of network policies on L4 paths within the container micro-segmentation product, effectively addressing a persistent challenge.
 - Led full automation for container segmentation solution testing, streamlining functionality, load, and scale testing.
 - Implemented and utilized Azure Pipelines to optimize CI/CD processes, enhancing deployment reliability.
- **Shopconnect** Remote
Software Intern May 2022 - July 2022
 - Implemented a 'Cancellation Reasons' section within the product page, enhancing functionality and user interaction.
 - Maintained and supported the Shopconnect B2C app, troubleshooting and debugging code in Angular and NodeJS.
- **UST Global** Remote
Research Intern June 2021 - July 2021
 - Developed a Sentiment Analyzer using Keras LSTM models trained on MFCC audio representations.
 - Created an intuitive web app using Streamlit allowing users to input audio for analysis and deployed it on Heroku.

PROJECTS

- **PlexShare:** Contributed to a lab session monitoring app, focusing on critical functionalities within the whiteboard module. Key contributions included session loading and saving, data serialization, and inter-module networking. (Aug - Dec '22) [Link](#)
- **Mail Tag Generator:** Designed and developed a mail tagging mechanism to convey the gist of a mail, using Latent Dirichlet Allocation(LDA) for topic modelling. Implemented the mechanism as a chrome extension which works over Gmail. (January - May '23) [Link](#)
- **Android Malware Detection using GNN:** (Open Ended Lab Project) Research oriented project attempting to provide a better solution to detecting Android malware with low computation cost by using Graph Neural Network Models and Explainable AI concepts. (January - May '22) [Link](#)
- **Tiger Compiler:** Created a compiler for the Tiger Language written in Standard ML. The compiler uses ML-LEX for lexing and ML-YACC for parsing and generates MIPS assembly code.(January - May '22) [Link](#)

ACHIEVEMENTS

- Qualified for YIP Kerala State level - May, 2019
- Scored 99.67 percentile in JEE Main among 1.2 million candidates and 98.11 percentile in JEE Advanced among 0.25 million candidates