Joel Sam Mathew

Email: joelsammathew@gmail.com
Github: github.com/joelmathew003
Mobile: +91-9495033303

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#, Java, SML, SQL
- **Frameworks**: Familiar with TensorFlow, Keras, Pytorch, Angular, NodeJS
- **Tools**: Kubernetes, Docker, Git, PostgreSQL
- **Soft Skills**: Event Management, Leadership, Communication, Time Management

Experience

- **Colortokens Inc.** — Bangalore, India
  Member of Technical Staff - I — *July 2023 - Present*
  - **Container Microsegmentation**
    - Worked on solution testing and spearheaded automating end-to-end functionality testing and conducted load and scale testing.
    - Hands-on experience in managing container deployment and configuration on Kubernetes clusters.
    - Utilized Azure Pipelines for efficient CI/CD, enhancing deployment reliability.
- **Shopconnect** — Remote
  Software Intern — *May 2022 - July 2022*
  - **Maintenance and support of the Shopconnect b2c app:** Reviewed code, debugged problems and solved issues. Worked with technologies like Angular and NodeJS.
- **UST Global** — Remote
  Research Intern — *June 2021 - July 2021*
  - **Sentiment Analyzer:** Built a Keras model with LSTMs working on MFCC representations of the audio samples. Used Streamlit to make a simple web app and deploy it on Heroku.

Projects

- **PlexShare**: Worked on a lab session monitoring application. Developed important functionalities in the whiteboard module such as loading and saving sessions, data serialization and networking between modules. (Aug - Dec '22) Link
- **Mail Tag Generator**: Designed and developed a mail tagging mechanism to convey the gist of a mail, using Latent Dirchlent 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