# YASAS EKANAYAKE

**Software Engineer**

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## EXPERIENCE

### Software Engineer Intern
**WSO2, Colombo**

📅 Jan 2024 – Jul 2024

- Built Intelligent **Document Process Mediator** using ChatGPT Vision API → automated PDF/image → JSON, reducing manual processing by **60%**.
- Contributed to **Micro Integrator VS Code Extension** (Proxy, Message Store, Local Entry artifacts) with validations + regex checks, boosting developer efficiency.
- Collaborated with R&D to optimize mediator performance and streamline integration workflows.

## PROJECTS

### Detection System for Online Safety Against Cyber Threats and Social Engineering (FYP)

📅 2024 – 2025

- An intelligent detection system to identify and mitigate manipulative behavior and fraudulent activity in real-time conversations.
- The project targeted social engineering attacks conducted through chat and audio messages by both humans and web bots, leveraging cutting-edge AI to safeguard users.
- Contribution: Designed and implemented a multi-layered detection framework combining Natural Language Processing (NLP), rule-based systems.

### Emotion-Aware Text Summarizer

📅 2025

🌐 emotion-summarizer-nlp.vercel.app

- An open-source NLP project that performs emotion-aware summarization using transformer-based models.
- The system detects fine-grained emotions in text using a ROBERTa-based classifier.
- Generates summaries conditioned on those emotions using an emotiontagged BART model.
- Technologies: Python, TensorFlow, Keras, NLP libraries, NLP Models, Pytorch

### Bus-Ease: Intelligent Route & Seat Reservation

📅 2025

🌐 bus-ease-frontend.vercel.app

- A web-based platform to streamline highway bus route searches and realtime seat reservations.
- Enhanced features, including an intelligent route algorithm, real-time seat updates, secure payment integration, and an admin dashboard.
- Technologies: React.js, Node.js, Express.js, MongoDB, Redux, Stripe, Vercel, GitHub.

## SUMMARY

AI-focused Software Engineer with expertise in NLP, NN, and Full-Stack Development. Skilled in designing scalable solutions including intelligent mediators, VSCode extensions, and real-time booking platforms. Strong academic foundation (GPA 3.82/4.2) with experience across Python, Java, React.js, Node.js, and ML frameworks.

## SKILLS

**Languages:** Java, Python, JavaScript, SQL
**Frameworks/Tools:** Spring Boot, Node.js, React, Flutter, Redux, Git/GitHub
**Databases:** MongoDB, PostgreSQL
**AI/ML:** NLP (Transformers, Pytorch)

## EDUCATION

### B.Sc. (Hons) in Information Technology
**University of Moratuwa**

📅 2021 – 2025

GPA: **3.82** / 4.2

### GCE A/L (Physical Science)
**Richmond College, Galle**

📅 2019

AAB | Z-score: 1.76

## ACHIEVEMENTS

**Batch Representative**
Faculty of IT

**Top 50**
RealHack 4.0 (2023)

**Hacktitude**
Inter-university hackathon by 99x (2022)

**Member**
Provincial Youth Council (2020)

## REFERENCES

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